

**11:15-12:00 AIM101: REINVENTING WITH GENERATIVE AI ON AWS**

**Matheus Guimaraes**, Snr Developer Advocate, UKIR, AWS  
**Isabelle Mos**, Associate Solutions Architect, AWS

From start-ups to enterprises, organizations of all sizes are getting started with generative AI. They want to capitalize on this new technology and translate the momentum from betas, prototypes, and demos to real-world innovations and productivity gains. With enterprise-grade security and privacy, a choice of leading foundation models, a data-first approach, and the most performant, low-cost infrastructure, AWS is trusted to deliver generative AI-fuelled innovation. In this session, learn how new generative AI services and capabilities like Amazon Bedrock and Amazon Q can help deliver real business value across key use cases to enhance employee productivity, improve customer engagement, and build new, differentiated experiences.

**12:15-13:00 AIM202: BUILD A DATA FOUNDATION TO FUEL GENERATIVE AI**

**Andrew Kutsy**, Senior Manager, PMT, AWS  
**Christoph Bartenstein**, Director S3, AWS

Data has long been considered a strategic asset by organizations, but generative AI puts a renewed emphasis on the importance of a data strategy. Whether you are building your own model or customizing a foundation model, your data is a key differentiator for generative AI, so you need a data strategy that supports relevant, high-quality data. In this session, learn about the data tools that can fuel your generative AI strategy and the common data patterns required to transform your generative AI application from a generic tool to a program that truly knows your business and your customer.

**13:15-14:00 SVS403: BEST PRACTICES FOR SERVERLESS DEVELOPERS**

**Julian Wood**, Principal Developer Advocate, AWS  
**Michelle Chismon**, Senior CIA, AWS

Do you want to take advantage of the full power of serverless architectures for your production workloads? Are you wondering how events can help your applications scale? Have you been trying to tune your applications for higher performance and lower cost? This session provides architectural best practices, optimisations, and useful shortcuts that experts use to build secure, high-scale, and high-performance serverless applications.

**14:15 – 15:00****AIM310: PROMPT ENGINEERING BEST PRACTICES FOR LLMS ON AMAZON BEDROCK**

**Maggie Vo**, Head of Technical Education & Enablement, Anthropic  
**Anastasia Tzeveleka**, Sr AI/ML Specialist SA, AWS

Prompt engineering is the process of guiding large language models (LLMs) to produce desired outputs. In this session, get an overview of prompt engineering best practices and learn how to choose the most appropriate formats, phrases, words, and symbols to get the most out of generative AI solutions while improving accuracy and performance. This session uses the Claude 3 LLM as an example of how prompt engineering helps to solve complex customer use cases. Also learn how prompts can be integrated with your architecture and how to use API parameters for tuning the model parameters using Amazon Bedrock.

**15:15-16:00****AIM315: SECURELY BUILD GENERATIVE AI APPLICATIONS AND CONTROL DATA WITH AMAZON BEDROCK**

**Andrew Kane**, Principal AI/ML Specialist SA, AWS  
**Laura Verghote**, Solutions Architect, AWS

Generative AI applications have captured widespread attention; however, they have also introduced new security challenges, especially around the handling of customer data. Organizations want to ensure that their data remains safe and secure while working with foundation models (FMs) and don't want to worry about their data being used to train an FM. Amazon Bedrock provides comprehensive data protection and privacy. In this session, explore architectures, data flows, and security-related aspects of model fine-tuning, as well as prompting and inference, while you learn about Amazon Bedrock's security capabilities.

**16:15–17:00****EDA301: IMPLEMENTING DISTRIBUTED DESIGN PATTERNS ON AWS**

**Ben Moses**, Principal Solutions Architect, AWS  
**James Eastham**, Senior Cloud Architect, AWS

Developing complex, modern, distributed applications is difficult. Especially when dealing with changing requirements and complex integrations between services. It requires a thorough understanding of the technical solutions, but also how to extract business requirements and goals and to select the appropriate tactical design and implementation patterns that support business strategies.

In this session, you'll learn about the challenges of distributed systems, and technical patterns you can take away and use. Including event driven architecture, handling distributed transactions and dealing with the trade-offs of asynchronous systems. This will allow you to build resilient, loosely coupled and most importantly evolutionary systems.

11:15-12:00

**ANT301: BUILDING AN OPEN SOURCE DATA STRATEGY ON AWS**

**Zohar Stirro**, Head of Data Engineering, Tessian  
**Sandipan Bhaumik**, Sr. Analytics SA, UKI, AWS

Join this session to learn how to take full advantage of open source technologies while leveraging the scalability, flexibility, and cost efficiency of AWS Cloud. We will discuss data architecture patterns that leverage open source on AWS. We will also hear practical stories from Tessian on how AWS' broad support for open source technologies, such as Apache Spark, Trino, Apache Iceberg, OpenSearch, Apache Kafka, and more help them secure millions of mailboxes for their customers every day.

12:15-13:00

**AIM204: SCALING THOMSON REUTERS LANGUAGE MODEL RESEARCH AND TRAINING WITH AMAZON SAGEMAKER HYPERPOD**

**John Duprey**, Distinguished Engineer, Thomson Reuters Lab  
**Simone Zucchet**, Senior Solutions Architect, AWS

Thomson Reuters is a leader in business information services. They empower legal, government, tax, accounting, and compliance professionals worldwide. 2023 proved to be a generative AI inflection point, prompting Thomson Reuters to consider how their high-value, curated, data could improve on language models for customer-specific tasks. This compute-intensive research required specialized hardware, posing resource challenges. Enter Amazon SageMaker Hyperpod. Hyperpod allowed Thomson Reuters to scale to large clusters of NVIDIA A100 GPUs in a reliable and predictable manner. In this talk, we explore the journey Thomson Reuters took to enable their cutting edge research tasks and training of their foundational LLMs with Hyperpod.

13:15-14:00

**BIZ201: TRANSFORM YOUR CUSTOMER EXPERIENCE WITH AMAZON CONNECT, AWS'S AI POWERED CONTACT CENTER**

**Jeff Bennett**, VP Operations, Zepz (WorldRemit)  
**Nawaz Varda**, Senior Solutions Architect, AWS  
**Russell Yeates**, Principal Sales Specialist, AWS

Transform your customer experience (CX) at scale with Amazon Connect, AWS's AI-powered contact centre. In this session we will introduce you to Amazon Connect and demonstrate how to increase agent productivity with generative AI. We will walk you through on how to measure, track, and improve performance using AI-powered analytics and optimization capabilities. We will be joined by Jeff Bennett - VP Operations, Zepz, a leading cross border remittance business that provides international money transfer, to share their migration journey to Amazon Connect. You will learn the approach taken by Zepz on the use of voice and chat channels, IVR implementation with Chatbots and the impact of AI-powered analytics.

14:15 – 15:00

**STG302: BUILDING RESILIENCE AGAINST RANSOMWARE USING AWS STORAGE**

**Richard Bignell**, Security Architect, Santander  
**Sabith Venkitachalapathy**, Service Solutions Architect, AWS  
**Tom Tasker**, Senior Solutions Architect, AWS

In today's cyber threat landscape, a ransomware attack is no longer a matter of "if" but "when." While prevention is paramount, organizations also need a robust recovery plan built on the principles of the NIST Cybersecurity Framework (CSF) to minimize downtime and ensure business continuity. This session will equip you with the knowledge and strategies to build a recovery plan using AWS Storage and the concepts of data vaults.

15:15-16:00

**BIZ302: OPTIMISE CONTACT CENTRE WORKFORCE PERFORMANCE WITH AMAZON CONNECT'S AI-POWERED ANALYTICS AND OPTIMISATION**

**Jill Beattie**, Programme Director, NatWest  
**Barry Robinson**, Head of Transformation Capability, NatWest  
**Pavan Dusanapudi**, Sr Connect Specialist SA, AWS  
**Georgina Williams**, Connect Sales Specialist, AWS

Contact centres are embracing AI to understand customer sentiment, automate agent evaluations, and optimize workforce schedules. In this session, AWS and NatWest share insights on how Amazon Connect generative AI-powered analytics and optimization capabilities can enhance customer service and boost the efficiency of contact centres by helping managers make well-informed decisions, access conversational insights, and more accurately forecast contact volumes, thereby allowing for optimization of staffing levels.



11:15-12:00

**IND201: ACCELERATE OPERATIONS EXCELLENCE WITH DIGITAL TWINS, 5G PRIVATE NETWORKS AND EDGE COMPUTING**

**Joao Gaspar Silva**, Enterprise Architect, Edge Computing, 5G and APIs, Vodafone Business  
**Chris Wood**, Senior Solutions Architect, AWS

In this session co-hosted with Vodafone Business, you will learn how 5G private networks, edge computing and cloud-based digital twins work together to unblock transformation in industrial manufacturing. Near-real-time decision making and contextualized plant information are critical capabilities; however, proprietary systems, manifold standards and siloed networks stand in the way. To address these challenges, we'll guide you through implementation of predictive maintenance, product inspection and safety solutions, utilizing AWS IoT SiteWise and AWS IoT TwinMaker and partner offerings from Matterport and Treedis.

12:15-13:00

**CDN201: SAFEGUARDING INFRASTRUCTURE FROM DDOS ATTACKS WITH AWS EDGE SERVICES**

**Sean McKeown**, Head of InfoSec, Chetwood Financial  
**Harry Carr**, Lead Security Engineer, Chetwood Financial  
**Kamil Bogacz**, Sr Edge Services Specialist SA, AWS

Building DDoS resilient applications leads to better preparedness to respond to large-scale cyber incidents. Join this session to learn about DDoS defence strategies for safeguarding your critical assets and how you can maintain a secure perimeter to support uninterrupted operations with AWS Shield, AWS WAF, and Amazon CloudFront. Find out how you can use the advanced mitigation techniques employed by AWS Shield to provide comprehensive protection and offer uninterrupted service availability. Finally, hear how Chetwood Financial achieved consistent DDoS security posture at the organisational scale with standardised and automated processes to manage security controls consistently.

13:15-14:00

**IND202: DRIVING MANUFACTURING INNOVATION WITH AWS ANALYTICS & AI**

**Adrian Pinder**, Head of Digital and Data, DS Smith  
**Sanjay Kumar**, CD, Exponentia  
**Ahmed Raafat**, Principal Solutions Architect, AWS

In this session, we'll explore how Manufacturers are transforming their operations through AWS Analytics and AI. DS Smith, a leading packaging manufacturer, leveraged AWS analytics and AI to transform their business decision-making. DS-Smith will walk you through the development and optimisation of their Data Factory Platform, highlighting the challenges faced and the innovations implemented in data integration. See how AI enhanced the platform's capabilities and improved operational efficiency. The session will also include a demo of how we see our customers using Data & AI in near future. Overall, we'll highlight how combining AWS Analytics and AI services enables data-driven decisions to deliver success.

14:15 – 15:00

**SEC202: IMPROVING SECURITY THROUGH MODERN APPLICATION DEVELOPMENT**

**Adrian Asher**, CISO & Lead Cloud Architect, Checkout Ltd  
**Owen Hawkins**, Senior Solutions Architect ISV, AWS

In this co-presented session with Adrian Asher, CISO of checkout.com, we will explore security practices used in modern application development and how these address common security challenges found in legacy applications. We'll cover patterns for integrating security early in the development lifecycle, applying security at all layers in containerized and serverless applications, enforcing API security, implementing secure coding practices, and more. By embracing these modern security practices, teams can accelerate software delivery and enhance security posture.

15:15-16:00

**DOP204: ENHANCE YOUR GOVERNANCE AND SECURITY WITH INFRASTRUCTURE AS CODE**

**Ronnie DeGiorgio**, Senior Site Reliability Engineering Manager, Trustpilot  
**Varvara Semenova**, Cloud Infrastructure Architect, AWS  
**Chris Scudder**, Senior Solutions Architect, AWS

AWS provides services that help with the creation, deployment and maintenance of application infrastructure in a programmatic, descriptive, and declarative way. Engineering teams want to deliver fast, secure and cost effective services, and AWS helps provide rigor and reliability to application development. Find out how to catch issues early with cdk-nag, validate your pipelines with cfn-guard, and protect your accounts from unintended changes with CloudFormation hooks. Learn how Trustpilot implemented CloudFormation security guardrails in their automated pipelines to empower their developers.

11:15-12:00

**COP201: BEST PRACTICES FOR OPERATING ON AWS, FEATURING MONEYSUPERMARKET GROUP**

**Jonty Bale**, Head of Platform Engineering, MoneySuperMarket Group  
**Fahad Ahmed**, Senior Solutions Architect, AWS

Operating in the cloud allows IT teams to focus on business outcomes and accelerate innovation. In this session, learn how to build, manage, and operate your mission-critical applications in a secure, automated, reliable, and cost-effective way. Discover best practices for establishing a multi-account environment, automating operations, and managing your applications. Additionally, learn how MoneySuperMarket Group implemented multi-account Landing Zone with AWS Control Tower AFT, simplified networking using VPC Sharing, and how they took a decisive move to migrate from Kubernetes to Amazon ECS Fargate. You will take away architectures, key decisions and the trade-offs between costs and scale.

12:15-13:00

**COP202: HOW OCADO TECHNOLOGY REDUCED CLOUD COSTS WITHOUT STIFLING INNOVATION**

**Kevin McCormack**, Associate Engineering Director, Ocado Technology  
**Imran Dawood**, Principal Solutions Architect, AWS

In this session, learn how you can develop a holistic cost optimization strategy with AWS and operate cost-effectively while maintaining high performance. You will also hear from Ocado Technology on how they made dramatic cloud cost efficiencies while providing an exceptional experience for shoppers and via the Ocado Smart Platform – an end-to-end ecommerce, fulfilment and logistics solution designed for the unique demands of online grocery retail. Ocado Technology will explore how cost efficiencies and innovation work hand-in-hand: from implementing new features such as Target Tracking on EC2 Autoscaling, to smart FinOps cost techniques and software engineering leadership.

13:15-14:00

**ARC302: BUILDING OBSERVABILITY TO INCREASE RESILIENCY**

**Andrew Marwood**, Principal Platform Engineer, Just Eat Takeaway.com  
**Paul Moran**, Principal Technical Account Manager, AWS  
**Nisha Notani**, Senior Technical Account Manager, AWS

Using observability effectively is essential for proving your resilient system operates the way you planned. Well-applied observability helps you find early signs of problems, before they impact customers, and react quickly to mitigate impact. In this session, learn how you can use observability best practices to improve your resilience posture in AWS. Dive deep into Just Eat Takeaway.com's real-world failure modes and see how they use the right combination of operational best practice, instrumentation, and observability tools to solve them quickly.

14:15 – 15:00

**DAT202: AMAZON DYNAMODB DEEP DIVE WITH FLO HEALTH: POWERING CRITICAL DATA FOR 300M USERS**

**Roman Bugaev**, Chief Technology Officer (CTO), Flo Health  
**Lee Hannigan**, Sr. DynamoDB Specialist, AWS  
**Juhi Patil**, Sr. DynamoDB Specialist SA, AWS

Deep dive into DynamoDB with AWS Specialists and Flo Health, through the success story of managing 300 million users. This session unveils DynamoDB's scalability, performance, and practical applications. Learn from Flo Health's case study, exploring key metrics, data modelling insights, and the transformative impact on essential data storage. Discover how DynamoDB ensures reliability, availability, and security. Whether you're a DynamoDB user or new to NoSQL databases, join us for actionable insights and best practices.

15:15-16:00

**ANT306: HOW THE BBC BUILT A REAL TIME MEDIA ANALYTICS PLATFORM TO PROCESS OVER 5B EVENTS A DAY**

**John Ewing**, Senior Architect - BBC  
**Subham Rakshit**, Sr. Streaming Solution Architect, AWS  
**Hin Yee Liu**, Prototype Engagement Manager, AWS

Join the BBC in a deep dive on implementing a real-time media analytics platform using AWS streaming services including Amazon Managed Service for Apache Kafka and Amazon Managed Service for Apache Flink to process over 5 billion analytics events a day, driving a digital-first BBC. In this session, hear from the BBC on the challenges they faced in delivering a highly performant, production-ready solution within months, how to perform data validation at ingest, and streaming data enrichment at scale.

16:15–17:00

**FWM201: DEVELOPING FULL STACK WEB AND MOBILE APPLICATIONS ON AWS**

**Ozioma Uzoegwu**, Principal Solutions Architect, AWS  
**Fred Hoskyns**, Enterprise Account Manager, AWS

Frontend developers are responsible for building the great user experiences we consume today via web and mobile applications. In this talk, you will learn how to build a full stack web and mobile application on AWS. We will show you how to use services like AWS Amplify and AWS Device Farm to accelerate application development and create production ready applications that delight your users.



11:15-12:00

**SVS301: EVOLVING SERVERLESS ARCHITECTURES****Tom Collins**, Principal Engineer, DVLA**Emily Shea**, Head of Application Integration Go-To-Market, AWS

Serverless not only reduces time spent managing infrastructure, but it can also reduce application code. Replacing custom code with fully managed cloud services makes applications more reliable and easier to maintain. Serverless integration services like AWS Step Functions, Amazon EventBridge, Amazon SQS, and Amazon SNS enable you to evolve your application as business requirements change and service features advance. This talk walks through examples of evolving your serverless architectures. These include real world examples of how the Driver and Vehicle Licensing Agency (DVLA) uses serverless to build workflows with AI/ML and human review steps and to integrate with hybrid environments.

12:15-13:00

**IND303: HOW BARCLAYS DIGITISED WEALTH MANAGEMENT USING SERVERLESS AND EVENTING****Derek Shanks**, Director of Private Bank , Barclays**Chris Gibson**, Lead Software Engineer, Barclays**Vladislav Nedosekin**, Principal Solutions Architect, AWS

Wealth Management solutions have historically been built on business process management platforms, leading to tightly-coupled architectures that are difficult to adapt to fast changing business needs. To solve this challenge, Barclays built an event-driven architecture, integrated to existing digital channels and the backbone of its enterprise architecture, while enabling the flexibility to iterate and scale . Attendees will learn how Barclays leveraged AWS's serverless services, including AWS Lambda, Amazon MSK and Amazon DynamoDB, to choreograph both the customer and colleague journeys in a cost-effective way. The session will also include best practices from Barclays improved DevOps, productivity, and release frequency.

13:15-14:00

**AIM207: OPERATING A GENAI SERVICE AT SCALE - AN ADOBE SRE'S PERSPECTIVE****Jens Ihnow**, Senior Engineering Manager - Reliability Engineering, Adobe**Rakshith Rao**, Senior Solutions Architect, AWS

Firefly is Adobe's Generative AI service that offers new ways to ideate, create, and communicate while significantly improving creative workflows. Firefly uses AWS Machine Learning infrastructure to power the training of its foundational models and inferencing. Operating a GenAI service at scale while ensuring reliability, security, and efficiency comes with challenges. In this session we look behind the scenes at how Adobe runs Firefly inference at scale on AWS. We also cover the AWS services that enable building GenAI services like Firefly with recommendations on how to start. We close with best practices for running GenAI inference in production.

14:15 – 15:00

**AIM309: FMOPS/LLMOPS: GENERATIVE AI FROM IDEA TO PRODUCTION ON AWS****Eran Fainman**, Senior Machine Learning Scientist, Booking.com**Sokratis Kartakis**, Principal GenAI/ML Specialist Solutions Architect, AWS**Aleksandra Dokic**, Senior Data Scientist, AWS

Most customers are considering how generative AI (GenAI) could transform their business. After the development of the initial pilot use cases, the main question on how to operationalise GenAI applications arises. This leads to the domain of foundation model operations (FMOps). In this session, we will show how to implement the end-to-end lifecycle of Large Language Models (LLMs) leveraging AWS GenAI capabilities. Booking.com, a leading online travel agency, trains and serves their in-house LLMs with Amazon SageMaker. Explore how Booking.com implements FMOps on AWS to generate 2.7 million property description summaries for over 100 million mobile app users.

15:15-16:00

**AIM313: BRING THE POWER OF GENERATIVE AI TO YOUR EMPLOYEES WITH AMAZON Q BUSINESS****Prasad Rao**, Principal Partner SA, AWS**Danilo Poccia**, Chief Evangelist, AWS

Are you struggling to make generative AI available to your employees in a secure, quick way? This session demonstrates how Amazon Q Business can provide secure, quick access to the power of generative AI for your employees. Amazon Q understands natural language, provides contextual answers using connected data sources, summarizes documents, generates content, and automates actions across enterprise applications and document repositories. Learn how to implement Amazon Q Business with enterprise-grade access controls that help ensure that users get appropriate responses based on their permissions

16:15-17:00

**ARC303: 5 THINGS YOU SHOULD KNOW ABOUT RESILIENCE AT SCALE****Nick Smith**, Principal Solutions Architect, AWS**Danny Wright**, Principal Technical Architect Manager, AWS

Seventeen years of operating on AWS has taught us a thing or two (or five) on how to build in mitigations for the kinds of things that can go wrong with services, particularly at scale. Join this session to go beyond the 9s to the even more important, and less broadly understood, topic of shortening time to mitigation when the unexpected happens. Hear how AWS has developed mitigation strategies through extensive experience with this topic, in many cases having learned about it the hard way.

11:15-12:00

**NET201: THE POWER OF CLOUD NETWORK INNOVATION**

**Radek Podedworny**, Director of Engineering Platform Architecture, ARM Limited  
**Corina Motoi**, Senior Solutions Architect – Hybrid Cloud, AWS

Amazon VPC is a foundational service on AWS that gives you control over your virtual networking environment. Every year, AWS makes updates to Amazon VPC to help improve functionality, security, and usability. Have you ever wondered how new Amazon VPC features might affect how your networking infrastructure design on AWS? In this session, learn about the latest updates to Amazon VPC and how you can use them to enhance your current architectures. Also, ARM's platform team will show you how they continuously work on modernising their networking & security environment in AWS, adopting new managed services and applying NetDevOps methodologies.

12:15-13:00

**NET302: AMAZON VPC LATTICE ARCHITECTURE PATTERNS AND BEST PRACTICES**

**Yogita Kaushik**, Engineering Manager, DirectLine Group  
**Yashar Araghi**, Senior Solutions Architect, AWS

Amazon VPC Lattice is an application networking service that simplifies connecting, securing, and monitoring service-to-service communication. You can use VPC Lattice to facilitate cross-account and cross-VPC connectivity, as well as application layer load balancing for your workloads in a consistent way regardless of the underlying compute type—instances, containers, and serverless. In this session, get a general overview of VPC Lattice, learn about the latest features and functionality, discover pro tips and tricks to adopt best practices, and explore top architecture patterns organisations use to simplify application connectivity, security, and load balancing.

13:15-14:00

**DOP301: SUPERCHARGE YOUR DEVELOPMENT WITH AWS GENERATIVE AI DEVELOPER TOOLS**

**Bindhu Chinnadurai**, Senior Partner Solutions, AWS  
**Matt Laver**, Senior Solutions Architect, AWS

Generative AI has the power to help you reimagine the way that developers and organisations learn, plan, create, deploy, and securely manage applications. Across the software development lifecycle—from architecting to developing, testing, deploying, and maintaining applications—generative AI developer tools save time, automate undifferentiated heavy lifting, and create space for innovation and creativity. Learn how AWS is innovating responsibly to deliver tools such as Amazon Q and Amazon CodeWhisperer so that builders can focus on meaningful work that drives impact for their customers.

14:15 – 15:00

**SVS302: BUILDING A PRODUCTION- READY SERVELESS PLATFORM**

**Katie Kennedy**, Senior Software Engineer, Fidelity Investments  
**Ciaran Flaherty**, Senior Software Engineer, Fidelity Investments  
**Matthew Meckes**, Sr UKIR Serverless Specialist, AWS

Serverless allows you to reduce operational complexity, minimise disruption and time to recovery. In this session you will learn how to adopt robust patterns such as multi-region active active, CloudWatch monitoring at scale, with Network Load Balancers (NLB) and Route53 for high availability and fault tolerance. You will also learn how to choose between Step Functions, AWS Lambda and Amazon EKS depending on an application's architectural characteristics. You will also hear how Fidelity Investments supports many hundreds of applications through a scalable serverless architecture. The Fidelity platform team empowers developers to be agile, while ensuring best practices and consistency with an Internal Developer Portal (Backstage), and Infrastructure as Code pipelines.

15:15-16:00

**STG201: AWS STORAGE COST-OPTIMIZATION AND MET OFFICE'S BIG DATA JOURNEY**

**Michael Dymond**, Technical Architect, Met Office  
**Ed Gummett**, Storage Specialist Solutions Architect, AWS  
**Arushi Garg**, Product Manager, Amazon S3, AWS

Whether you're migrating from on premises to AWS or already in the cloud, AWS offers storage solutions that help optimise your costs and reduce TCO—all while providing storage performance that boosts productivity and accelerates business growth. The AWS storage portfolio makes it easy and cost-effective for you to launch, run, and scale storage in the cloud so that you can dedicate more of your valuable time to transforming your business. In this session, learn how the Met Office optimised their storage for performance and cost and learn about best-practice guidance you can put to use today to optimise your storage costs and extract the maximum value from your storage investments.

16:15-17:00

**SEC303: THREAT MODELING YOUR GENERATIVE AI WORKLOAD TO EVALUATE SECURITY RISK**

**Diana Alvarado**, Senior Security Specialist SA, AWS  
**Danny Cortegaca**, Senior Security SA, AWS

As the capabilities and possibilities of machine learning continue to expand with the advances in generative AI, understanding the security risks introduced by these advances is essential for protecting your valuable AWS workloads. This session guides you through a practical threat modeling approach, empowering you to create a threat model for your own generative AI applications. Additionally, see a demo of how to implement effective mitigations to secure your generative AI workloads with Amazon Bedrock. Come gain confidence to securely build your next generative AI workload on AWS with the help of threat modeling, and leave with actionable steps you can take to get started.



11:15-11:45

**Trend Micro****MITIGATING RISKS AND THREATS IN THE CLOUD****Bharat Mistry**, Technical Director UK, Trend Micro

In 2023, cyberattacks surged, with hackers stealing credentials and data, sabotaging systems, and hijacking cloud resources for illegal cryptocurrency mining. More than ever, it's crucial to ensure security measures evolve alongside cloud innovation. Join us as to delve into the inherent risks associated with each stage of cloud adoption, from migration to operation.

12:15-12:45

**Datadog****PAR100: INTRODUCTION TO CONTAINER SECURITY****Rory McCune**, Senior Technical Advocate, Datadog

The rapid adoption of container technologies like Docker and Kubernetes is due in large part to how easy they have made packaging and deploying applications. But what security tradeoffs does this convenience make?

In this talk, we'll take a look at how containers work and discuss the security tradeoffs they make and provide practical examples of how you can protect your containerized workloads.

13:15-13:45

**Snowflake****PTS225: ACCELERATE GENAI WITH AMAZON BEDROCK AND SNOWFLAKE****Dan Hunt**, Senior Partner Sales Engineer, Snowflake

With a focus on practical implementations of the Retrieval Augmented Generation (RAG) pattern, we'll discuss steps to success for RAG and outline architectures that integrate Snowflake and AWS, emphasising tips and patterns you can implement today. You'll also get to see a live demo, showcasing just how easy it is to get started with Snowflake Cortex and Amazon Bedrock.

14:15 – 15:00

**DOP203: HOW EDF ENERGY BUILT A DEVOPS PRACTICE ON AWS****Steve Bowerman**, Principal Software Engineer, EDF Energy**Alex Dimitrov**, Solutions Architect, AWS**Andrew Cochrane**, Senior Solutions Architect, AWS

Join us alongside EDF Energy UK as we explore their journey to build a DevOps practice within a large Enterprise, delivering a more agile approach to Software Engineering. In this session we will look at the spark for change within the organisation and the steps EDF have taken to reach their goal, including recruitment, talent development, controlling costs, how to measure success, tooling and ways of working. You will hear what AWS services you can leverage to advance your own journey and guidance on how to get started. A must for leaders considering a similar transformation, or already on one!

15:15-15:45

**Coralogix****PTS226: DRIVING DOWN THE COST OF OBSERVABILITY****Chris Cooney**, Head of Developer Advocacy, Coralogix

Ten years ago, observability barely existed. Now, observability costs can equal 10%–30% of operational budgets. Discover some of the anti-patterns for cost optimization and the architectural and technical approaches that teams can adopt to drive down their observability costs.

16:15-17:00

**AIM314: ACCELERATE YOUR GENERATIVE AI JOURNEY WITH AMAZON SAGEMAKER JUMPSTART****Vikesh Pandey**, Gen AI/ Specialist Solutions Architect, AWS**Trishanka Saikia**, Technical Account Manager), AWS

With new models landing every week, it is becoming a challenge to access all of them in a secure way from a single place. Join to this session to learn how Amazon SageMaker JumpStart provides access to 100s of foundations models, with capabilities to easily deploy them and even fine-tune some of them.

11:15-12:00

**CMP201: HARNESS THE POWER OF AWS TO BUILD GAME-CHANGING APPLICATIONS**

**Gunnar Grosch**, Principal Developer Advocate, AWS  
**Sarah Johnson**, ESM (M-UKI), AWS

Organizations in every industry are looking to solve bigger challenges, turn ground-breaking ideas into reality, and deliver innovative solutions at scale. This requires an infrastructure that scales limitlessly, delivers high performance at optimized costs, and supports constant innovation. In this session, learn how organizations are using the secure, innovative, and performant AWS Cloud to build game-changing applications. With the broadest and deepest functionality for compute, AWS can support the needs of even the most demanding workloads to run complex ML models, leverage generative AI, or implement applications that require large-scale high performance computational power at low costs.

12:15-13:00

**DOP302: EXPERIENCE THE FUTURE OF DEVELOPMENT WITH NEXT-GENERATION DEVELOPER TOOLS**

**Vincent Dagoury**, Chief Technology Officer, AXA  
**Chris Williams**, Senior Solutions Architect, AWS  
**Askar Serikov**, Solutions Architect, AWS

Curious what next generation development experience feels like? Want to understand how it will level-up your productivity? Find out for yourself as this session immerses you through the perspective of a software engineer solving their work tasks with the help of AWS developer tools. You will witness how generative AI services like Amazon Q and Amazon CodeWhisperer can efficiently tackle complex problems within minutes. Also observe how the challenge of context switching between development toolchains is streamlined through the unified development environment of Amazon CodeCatalyst.

13:15-14:00

**AIM305: BOOSTING MARKETING CONTENT WITH GENERATIVE AI: HOW TUI SCALED UP AND ENHANCED QUALITY**

**Nikolaos Zavitsanos**, Data Scientist, TUI  
**Paul Armstrong**, Lead Architect, AWS

Customers expect personalised, interactive experiences when booking travel online. This session explores how Generative AI through AWS can create high-quality, brand-aligned content to increase direct site traffic and conversions. Learn how Amazon SageMaker JumpStart, Amazon Bedrock, and Amazon OpenSearch with vector stores streamline content creation and improve quality. Hear how TUI, a global tourism platform serving 21 million travellers, uses Generative AI to automate hotel description generation by fine-tuning language models and implementing human-in-the-loop workflows to augment existing processes for curating personalised content.

14:15 – 15:00

**AIM206: NAVIGATING THE FUTURE OF AI: DEPLOYING GENERATIVE MODELS ON AMAZON EKS**

**David Charter**, Platform Engineer, Unitary  
**Vicky Whittingham**, Senior Container Specialist, AWS

Generative AI applications are fundamentally transforming how businesses interact with and serve their customers. Many customers are turning to open source tools running on Kubernetes to help accelerate their generative AI journeys. In this session, we'll deep dive into examples of AWS customers running AI/ML workloads on Amazon EKS, including Unitary, who have built a context-aware AI platform on Amazon EKS, analysing billions of video frames per day. Learn how tools like Ray, JupyterHub, Argo Workflows, and Karpenter can accelerate your path to building and deploying generative AI applications on Amazon EKS.

15:15-16:00

**AIM211: HARNESSING GENERATIVE AI AGENTS IN FINANCIAL SERVICES WITH TP ICAP**

**Andrew Shannon**, Head of Cloud Services and Platform Architecture, TP ICAP  
**Gaurav Kaila**, Regional Prototyping Manager, UK & Ireland, AWS  
**Ife Ojomo**, Prototype Architect, AWS

AI agents mark a significant breakthrough in Generative AI. They excel in complex problem-solving, logical reasoning, and task execution. Unlike traditional AI, they can autonomously make decisions and access external systems to execute tasks- including databases, APIs, and documents. Learn how TP ICAP, a leader in financial services, liquidity, and data solutions, developed an innovative AI Agent-based chatbot solution. This chatbot aids in resolving operational incidents, delivering dynamic responses to internal queries within minutes. In this session you will learn how to implement autonomous agent architectures, empower them with task-specific tools, and best practices for automation and production deployment.

16:15-17:00

**KUB201: ARCHITECTING CONTAINER SOLUTIONS WITH AWS**

**Natasha Wright**, Senior Container Specialist, AWS  
**Robert Northard**, Senior Container Specialist Solution Architect, AWS

Business needs change over time, with changing priorities or technological advances, so organisations need to react quickly to build, rebuild, and build again against a backdrop of changing infrastructure or application requirements. In this session, we'll discuss how to architect container solutions with AWS, keeping flexibility, and portability front and centre. So, if and when needs change, your architectural principles don't have to.



11:15-12:00

**ARC201: BUILD YOUR MULTI-REGION ARCHITECTURE ON AWS****Giorgio Bonfiglio**, Principal TAM, AWS**Rohit Singh**, Senior Solutions Architect, AWS

A multi-Region architecture can help improve your application's availability but comes with a new set of challenges, including managing deployments, dependencies, data replication and consistency. Your observability, testing and operational practice needs to evolve to support the new environment. In this session, we'll review design principles and best practice to expand to multiple Regions and explore how this type of architecture can be deployed to improve resilience and end-user latency through real world examples.

12:15-13:00

**AIM303: HOW ASTRAZENECA ACCELERATES DIGITAL DIAGNOSTICS WITH MLOPS ON AMAZON SAGEMAKER****Gabriel Domínguez Conde**, Director Diagnostic Computer Vision, AstraZeneca**Hasan Poonawala**, Senior AI/ML Specialist Solutions Architect, AWS

Developing AI-based digital diagnostics to optimize patients' journeys in an accurate, affordable, and globally accessible is an unmet need. Learn how AstraZeneca uses MLOps on Amazon SageMaker to streamline the development of predictive diagnostics algorithms for oncology focusing on digital pathology. Explore how this framework aligns with regulatory standards, ensures reproducibility and automates ML lifecycle. See how this methodology helps reduce the risk of failures in clinical trials, helps to expand access to new therapies for patients and reduce diagnostic candidate development from months to weeks. Additionally, Generative AI aids in report generation for efficient diagnostic validation review.

13:15-14:00

**DAT201: BUILDING ML-POWERED SEARCH EXPERIENCES USING VECTOR CAPABILITIES ON AMAZON OPENSEARCH FOR LYST****Amir Shamsuddin**, Director of Engineering - Customer Relationships and Acquisition, Lyst**Francisco Losada**, OpenSearch SA, AWS

In recent years, ML techniques have become increasingly popular to enhance search use cases. Among them are the use of embedding models with vectors to find the most semantically similar documents and enable use cases such as semantic search, RAG, recommendation engines and rich media search. Join this session to explore how Lyst benefited from the transformational impact of using OpenSearch Service as a Vector Database for scalable and future proof AI applications such as Personalisation.

14:15 – 15:00

**ANT205: ACTIVATING ARRIVA'S DATA STRATEGY WITH MODERN REPORTING CAPABILITIES ON AMAZON QUICKSIGHT****Gavin Clark**, Head of BI and Data Platforms, Arriva**Reagan Pickering**, Data Lead, Arriva**Steve Warner**, Head Of Business Intelligence, Arriva**Jonathan Preston**, WW GTM Specialist Amazon QuickSight, AWS

Join this session to learn how modernising legacy reporting applications to Amazon QuickSight can help deliver a unified user experience at scale. We will hear from Arriva on the challenges they faced in putting their data to use with their existing reporting application. AWS will share some of the new capabilities that Amazon QuickSight is bringing to the users such as Generative AI to help create compelling stories to drive decision-making.

15:15-16:00

**CST201: MONZO'S JOURNEY TO EKS OPTIMISATION WITH KARPENTER AND EC2 SPOT****Miles Bryant**, Senior Platform Engineer, Monzo**Mike Dukes**, Efficient Compute Senior Specialist, AWS

Join us alongside Monzo, as we explore Optimisation with EKS through Karpenter, EC2 Spot and Graviton. This session will first cover how Karpenter can help you reduce complexities and improve efficiency in Kubernetes clusters, explore how to leverage EC2 Spot (AWS spare-capacity) as a purchase option and introduce Graviton instance types to further optimise whilst improving sustainability. Once we cover the overview, hear from Monzo about their recent zero-downtime migration to EKS, how they leveraged Karpenter to simplify management and scaling of clusters and adopted EC2 Spot to save on their compute spend with added resiliency.

16:15-17:00

**ANT307: BEST PRACTICES FOR ANALYTICS AND GENERATIVE AI ON AWS****Lydia Ray**, Senior Analytics SA, AWS**Ismail Makhoulf**, Senior Analytics SA, AWS

There's never been a better time to work with data in the cloud. Rapid adoption of new data architecture patterns and creative breakthrough technologies such as generative AI are rapidly moving data and analytics to the cloud. Organizations want to be cost-efficient while maximizing performance and are looking for guidance on data strategy and data pipeline optimization to build a strong data foundation for their analytics and generative AI applications. In this session, hear best practices across core AWS analytics services to swiftly and economically get answers from all your data.

11:15-12:00

**ANT302: DIFFERENTIATING WITH DATA: HOW CHASE SCALED FROM 0 TO MILLIONS OF CUSTOMERS IN 2 YEARS WITH TRANSACTIONAL DATA LAKE AND SERVERLESS ANALYTICS ON AWS**

**Bijan Fathi**, Head of Data Engineering, ICB, JP Morgan Chase & Co  
**Altaf Hussain**, Sr. Analytics SA, UKI, AWS

In just over 2 years, Chase UK has grown to be an award-winning digital bank with over 2 million customers and are adding more customers and features every day. How did we do it? By embracing a cloud-native approach to data from the start. In this session we will discuss our cloud-native data plane and how using serverless analytic services like Athena, S3, and Glue we can quickly build a scalable transactional data lake, derive insights, create effective customer journeys, and industry-leading customer acquisition and retention

12:15-13:00

**KUB302: ACCELERATE YOUR KUBERNETES JOURNEY WITH AMAZON EKS**

**David Mohar**, Platform Technical Owner, Sportradar  
**Olly Pomeroy**, Sr. Developer Advocate, AWS  
**Grace Shaffi**, Solutions Architect, AWS

In this session, hear how Amazon EKS provides AWS customers with production-grade Kubernetes. Organizations need to scale clusters to support the size of their businesses. Teams across organisations may also want to modernise their applications using Kubernetes and need guidance and support establishing the right security guardrails and best practices. Learn how SportRadar modernised their container platform by migrating from kOps to Amazon EKS. Hear the challenges they faced during their migration, how they overcame them, and the benefits the Amazon EKS based platform brings to their organization.

13:15-14:00

**AIM208: DRIVE PERSONALIZED CX USING GENERATIVE AI AND AMAZON PERSONALIZE**

**Katie McGowan**, Product Manager – Innovation & Sustainability, Selfridges  
**Anna Gruebler** – Senior AI Specialist SA, AWS  
**Rajesh Sripathi**, Senior Solutions Architect, AWS

Delivering the best experience is critical to capture and retain customers today. With generative AI, it is possible to hyper-personalize targeted recommendations for shopping and streaming. While standard taglines like “People who bought this also bought . . .” or “Because you watched . . .” entice some, they don’t fully address individual interests. Companies must find ways to dynamically generate compelling, highly customized content. Amazon Personalize delivers capabilities powered by ML and generative AI to help brands create meaningful experiences. Join this session to hear from powerhouse AWS retail customer Selfridges and learn how hyper-personalized experiences can be used to build engagement and drive revenue.

14:15 – 15:00

**CMP302: ARM’S SUCCESS STORY OF DRIVING INNOVATION THROUGH HPC ON AWS**

**Loïc Perron**, Senior Director, Hardware Engineering, ARM Limited  
**Jurgen Hofkens**, EMEA Head of Compute Solutions Architecture, AWS  
**Louis Demerliac**, Efficient Compute Business Development Manager, AWS

The ubiquitous availability of High-Performance Compute (HPC) and Accelerated Compute capacity in the cloud has sparked rapid innovations in development of precision medicines and cancer treatments, development of electrical vehicles and new aircrafts, and more sustainable and cost-effective designing with Electronic Design Automation (EDA). Join this session to learn about how these innovations have been delivered with AWS’s HPC services and purpose-built processors (Graviton). Learn directly from Arm, world’s biggest chip design company, how they leveraged the scale and flexibility of AWS to overcome challenges on compute capacity constraints, significantly reduce time to market, and reduce carbon footprint, by running EDA workloads on AWS.

15:15-16:00

**AIM212: ENHANCE YOUR DOCUMENT WORKFLOWS WITH GENERATIVE AI**

**Nick Morgan**, Chief Technology Officer, Williams Lea  
**Mayur Udernani**, Principal AI/ML Specialist, AWS

Data classification, extraction, and analysis can be challenging for organizations that deal with volumes of documents. Traditional document processing solutions are manual, expensive, error-prone, and difficult to scale. AWS intelligent document processing (IDP) uses industry-leading machine learning (ML) technology to quickly and accurately process data from any document or image. Generative AI complements Amazon Textract to augment your IDP workflows with additional capabilities. In this session, hear a case study of Centene, which provides access to high-quality healthcare, innovative programs, and a wide range of health solutions. Learn how Centene improves their document-centric workflows and business productivity while reducing costs using Amazon Textract and generative AI capabilities.



11:15-11:45

**WIZ****PAR103: BUILDING CLOUD SECURITY PROGRAMS THAT CAN SHIFT LEFT**

**Tom Finch**, Head of Solutions Engineers UKI, WIZ  
**Madoc Batters**, Head of Cloud and IT Security, Bourne Leisure  
**Rich Young**, CCoe, Cloud Architect, Bourne Leisure

Get practical tips from Bourne Leisure's journey with Wiz bridging the dev-security gap and turning risks into rewards. Explore how cloud-native technologies like Containers, Kubernetes, and Serverless can elevate security, emphasizing the shift left approach to empower engineers and transform security into a collaborative effort

12:15-13:00

**ANT203: AMAZON REDSHIFT POWERING FANDUEL'S SUCCESS DURING PEAK SPORTING EVENTS**

**Kate Kim**, Senior Data Director, FanDuel  
**Sidhanth Muralidhar**, Principal Technical Account Manager, AWS

Amazon Redshift has been constantly innovating over the last decade to give you a modern, massively parallel processing cloud data warehouse that delivers the best price performance, ease of use, scalability, and reliability. In this session, learn about Amazon Redshift's technical innovations that has helped FanDuel run critical workloads during peak sporting events

13:15-14:00

**ANT204: AVIVA'S JOURNEY FROM LEGACY TO MODERN DATA WAREHOUSING ON AMAZON REDSHIFT**

**Colin Bertram**, Platform Designer, Data and Analytics Platform (DAP), Aviva  
**Adam Gatt** - Sr. Redshift SA, EMEA, AWS

Many organisations are looking to adopt modern data warehouses on Amazon Redshift to benefit from scalability, cost advantages and enabling innovation with data through capabilities around workload isolation, support for diverse data types, ease of management and ML-based automations. Join this session to understand how Amazon Redshift helps to solve some of the problems with legacy data warehouses, how to accelerate your migration to Redshift and hear about Aviva's experiences on this journey

14:15 – 14:45

**MongoDB****PAR202: LEADING THE CLOUD NATIVE DATA REVOLUTION FOR PENSIONS**

**John Mills**, Product Owner at Legal & General, MongoDB  
**Tom Neville**, Agile Delivery Manager, Legal & General

Delve into the journey of creating My Scheme Updates, a game changing cloud-native platform tailored for workplace pensions. Explore how we disrupted traditional practices and debunk myths about integrating market leading software in a centuries old financial institution by weaving together design thinking, cutting-edge tech from MongoDB & AWS, and empathy.

15:15-16:00

**SUS301: SUSTAINABLE ARCHITECTURE: PAST, PRESENT, AND FUTURE**

**Jennifer Marks**, Head of Digital Sustainability, Government Digital Services (GDS)  
**Romy van Es**, Partner Solutions Architect, AWS

Since the launch of the sustainability pillar of the AWS Well-Architected Framework in 2021, the attention to environmental sustainability has grown as a key non-functional requirement of cloud workloads. This session revisits the pillar and its best practices. In this session learn how Government Digital Services (GDS) are architecting for sustainable outcomes in order to meet the UKs 2050 net-zero goals and learn how you can build a sustainability showback mechanism for your application teams and drive change.

08:00-09:30      **TCN100-RI: SELF PACED LABS**

Practice learning AWS services in a live lab environment. Choose a lab and work through step-by-step scenarios on topics ranging from introductory to expert, and get your questions answered from AWS Training and Certification experts. No registration is required, but allow yourself approximately 40-120 minutes per lab.

This is an all-day event.

11:15-12:45      **TCN100-R2: SELF PACED LABS**

Practice learning AWS services in a live lab environment. Choose a lab and work through step-by-step scenarios on topics ranging from introductory to expert, and get your questions answered from AWS Training and Certification experts. No registration is required, but allow yourself approximately 40-120 minutes per lab.

This is an all-day event.

12:45-14:15      **TCN100-R3: SELF PACED LABS**

Practice learning AWS services in a live lab environment. Choose a lab and work through step-by-step scenarios on topics ranging from introductory to expert, and get your questions answered from AWS Training and Certification experts. No registration is required, but allow yourself approximately 40-120 minutes per lab.

This is an all-day event.

14:15 – 15:45      **TCN100-R4: SELF PACED LABS**

Practice learning AWS services in a live lab environment. Choose a lab and work through step-by-step scenarios on topics ranging from introductory to expert, and get your questions answered from AWS Training and Certification experts. No registration is required, but allow yourself approximately 40-120 minutes per lab.

This is an all-day event.

15:45-17:15      **TCN100-R5: SELF PACED LABS**

Practice learning AWS services in a live lab environment. Choose a lab and work through step-by-step scenarios on topics ranging from introductory to expert, and get your questions answered from AWS Training and Certification experts. No registration is required, but allow yourself approximately 40-120 minutes per lab.

This is an all-day event.



11:15-11:45

**Dynatrace****PAR101: EDF UK ENHANCES CUSTOMER & EMPLOYEE EXPERIENCE WITH DYNATRACE**

**Carl Morphet**, Director, Business Insights , Dynatrace  
**Jodie Kovacs**, Senior Solutions Architect, EDF UK

Explore how Dynatrace and EDF UK collaborated to significantly enhance customer experience and employee efficiency on AWS. In the dynamic energy landscape, EDF prioritises positive customer interactions through an end-to-end strategy, employing metrics for UI engagement and continuous analytics delivery with rapid issue resolution to ensure a seamless customer experience.

12:00 – 12:30

**Salesforce****PTS234: DEMOCRATIZE AI: SALESFORCE DATA CLOUD AND AMAZON SAGEMAKER**

**Franny Hsiao**, Distinguished AI Architect, Salesforce

Learn how to enable secure data sharing between Salesforce Data Cloud and AWS and create AI-powered apps using the latest Sales force Data Cloud and Amazon SageMaker Canvas no-code user interface.

12:45 – 13:15

**Apptio****PTS232: EVRI'S FINOPS POWERED DELIVERY**

**Ed Bloomer**, Principal FinOps Analyst, Evri

How does the UK's leading dedicated parcel delivery company ensure great value with every delivery? Join Ed Bloomer, Principal FinOps Analyst to hear how embracing an ethos of cost leadership in every department, including technology, helped Evri scale their business. In this session you will learn more about how cloud powers Evri, and a culture of FinOps powers the value of their cloud.

13:30-14:00

**Accenture****PTS113: VODAFONE TRANSFORMS CUSTOMER INTERACTION & SELF-SERVICE**

**Ahmed El Sayed**, Vodafone UK CIO and Global Head of Digital Engineering, Vodafone  
**Mairead Cullen**, CIO for Vodafone Ireland  
**Maynard Willaims**, CTO for UK/Ireland – Accenture

Join our session to learn about Vodafone Ireland's customer-centric Web Refresh program is reimagining customer interactions through the web with modern engineering practices.

14:15-14:45

**IBM****PAR201: UNLEASING THE POWER OF GENERATIVE AI**

**Christopher Hay**, Distinguished Engineer, IBM Consulting  
**Mark Cox**, Director, Hyperscalers, IBM Technology

Join IBM, 2023 AWS UKI GSI of the Year, for a deep dive into Generative AI strategy and its impact on the enterprise. You will learn about IBM's watsonx technology and our joint solutions with AWS, featuring use cases and customer stories and most importantly scaling Generative AI across your organisation

15:00-15:30

**Snyk****PAR102: ENSURING APPSEC AT SCALE WITH SNYK ON AWS**

**Paul Harland**, Senior Channel Solution Engineer, Snyk  
**Sanmat Jhanjhari**, DevOps Lead, Nationwide

Join us as we explore Nationwide's journey to the cloud, leveraging Snyk to automate security controls at scale for apps on AWS. Gain insights into Snyk's key role in securing their Software Supply Chain during critical incidents like log4J and spring4shell, Nationwide's current challenges, and roadmap for secure, efficient, and compliant development workflows across a team of over 2K developers.

15:45-16:15

**LaunchDarkly****PTS121: MISSION POSSIBLE: ZERO DOWNTIME PRODUCTION TRAFFIC MIGRATION**

**Oleksii Mykytiuk**, Principal Software Engineer, Autodesk

Whether you are migrating your application to a new backend service, new API, or new database, there is one common factor - the risk of service degradation or downtime. In this session, we will share our journey of how we migrated our web applications to a new backend service. We will talk about our migration strategy and explain how we used feature flags to minimize migration risks..

## Capital Suite 9

11:00-16:00

### WOR305: SERVERLESS SECURITY WORKSHOP

**Ross Boast**, Senior Solutions Architect, AWS

In this workshop, you will have the opportunity to get hands-on and apply layered security to your Serverless applications. You will build and secure an example serverless application built with AWS Lambda, Amazon API Gateway and RDS Aurora. You will learn how to apply a layered security model across five domains: 1. Authentication & authorisation using AWS Identity & Access Management (IAM), Amazon Cognito and Amazon Verified Permissions; 2. Secure Code using Amazon Inspector; 3. Protect data with encryption, input validation and AWS Secrets Manager; 4. Infrastructure protection with Amazon Guard Duty and AWS Web Application Firewall (WAF); 5. Security Logging & Monitoring using AWS X-Ray.

11:00–16:00

### WOR306: DATABASES FOR DEVELOPERS

**Imhoertha Ojior**, Solutions Architect, AWS

In this workshop, you go on an adventure migrating off an on-premises relational database to the exciting world of purpose-built databases on AWS. You will learn how to migrate data from a self-managed database to a managed database service as well as learning how to optimise your database performance and finally, how to modernise your workloads using purpose-built database services available on AWS.

## Capital Suite 10

11:00-16:30

### WOR403: END TO END DATA ENGINEERING ON AWS

**Selman Ay**, Data Architect, AWS

In this workshop, you will learn how to quickly build scalable data pipelines that deliver data in near real-time, and how you can visualise and explore data to drive business growth. You will get hands-on experience using serverless AWS analytics services such as Amazon Managed Service for Apache Kafka for real-time analytics, AWS Glue for data integration and preparation, AWS Lake Formation to simplify security, and Amazon Athena and Amazon QuickSight for data exploration and visualisation. Discover how to transform data into actionable insights, to help your organization to make data driven decisions.

11:00-16:30

### WOR304: INNOVATE FASTER USING DATA ANALYTICS AND ML LOW CODE/NO-CODE SERVICES ON AWS

**Sarang Kamble**, Senior Global Solutions Architect, AWS

In this workshop, you will learn how an analytics platform requiring little or no coding can help you to quickly and easily manage, act on, and react to your data so you can make better decisions, respond faster, and uncover new opportunities. You will learn how to build an end to end analytics workflow from data integration, training and analysing predictive models, to visualising actionable insights in a BI dashboard without writing any code. You will get hands-on experience using serverless AWS low-code/no-code analytics and ML services such as AWS Glue Studio, Amazon Athena, Amazon SageMaker Canvas and Amazon QuickSight. Empower your business teams so they can innovate and act on insights at the speed of business.



## Capital Suite 11

### 11:00-16:00 **WOR301: BUILDING WITH AMAZON BEDROCK AND LANGCHAIN**

**Rohan Ghosh**, Solutions Architect, AWS

In this workshop, you will use LangChain - the most popular open source framework designed to simplify the creation of applications using large language models to build generative AI prototypes with Amazon Bedrock. You will proceed through a series of labs aimed at different skill levels from beginner to intermediate. You will learn how to use the capabilities of the libraries and models to build prototypes for a wide range of use cases.

### 11:00-16:00 **WOR302: USING GENERATIVE AI ON AWS FOR DIVERSE CONTENT TYPES**

**Chetan Makvana**, Senior Partner Solutions Architect, AWS

In this workshop, you will use generative AI on AWS to work with various types of contents, including documents, PDFs, videos files, audios files, images, business intelligence, SQL database, graph database, application logs, and streaming data. You will learn on how to leverage generative AI for tasks such as engaging in conversations, posing questions, content analysis, generating summaries, and generating images based on these diverse content sources. This workshop will give you hands-on experience to apply these concepts into your own workloads, as well as familiarize you with AWS services you can leverage for generative AI.

## Capital Suite15

### 11:00-16:00 **WOR407: APPLICATION MODERNISATION – AWS JAM CHALLENGE**

**Jorge Alvarez**, Senior Migration & Modernisation Solutions Architect, AWS

“Showcase your modernisation skills and be crowned London Summit Jam Challenge Champions in this workshop based gamified learning environment. Decompose monolithic applications and deploy them as microservices using AWS Lambda. Move your self-managed relational database layer to Amazon RDS, a fully managed cloud-native service. Containerise existing workloads and deploy them using Amazon Elastic Container service and Amazon Elastic Kubernetes service. Reduce your carbon footprint and achieve the best price performance by migrating your Amazon RDS databases to use Arm-based Graviton processors. Learn how to generate code in real time using the AI-powered Amazon CodeWhisperer. Compete as individuals or in teams to score points for successfully completing real-world modernisation challenges.”

**11:15-12:00**     **TNC210: BUILD IN-DEMAND CLOUD SKILLS YOUR WAY WITH SKILL BUILDER**  
**Stefan Buse**, Technical Instructor, AWS

Everyone learns differently. To upskill with AWS, use Skill Builder, which includes gamified learning, labs, and instructor-led training. Check out the content with our Training and Certification team!

**12:15-13:00**     **TNC201: GENERATIVE AI FOR DECISION MAKERS**  
**Qusay Al-Maatouk**, Senior Technical Instructor, AWS

Generative AI is commanding a lot of attention this year. This session introduces generative AI, the use cases that can benefit from the application of generative AI, and the benefits and risks of this emerging technology. Explore AWS services that you can use to build generative AI applications.

**13:15-14:00**     **TNC101: INTRODUCTION TO PROMPT ENGINEERING**  
**Joseph Mamvong**, Technical Instructor, AWS

In this session, learn about the basics of foundation models (FMs) and the key concepts behind prompt engineering. Also learn about the best practices for designing prompts and a few prompting techniques such as zero-shot, few-shot, and chain-of-thought prompting with the help of examples.

**14:15 – 15:00**     **TNC103: EMPOWERING THE NEXT GENERATION OF CLOUD INNOVATORS WITH AWS EDUCATE**  
**Carlos Carus**, EMEA Education Pgms Ambassador, AWS

Explore the power of cloud computing and develop in-demand generative AI skills with AWS Educate. Designed specifically for those who are new to the cloud, this session will guide you through a range of free, self-paced learning resources, hands-on practice opportunities, and career-boosting initiatives. Prepare to unlock your potential and embark on an empowering cloud journey with the support and encouragement of the AWS community.

**15:15-16:00**     **TNC206: EXAM PREP STUDY SESSION: AWS CERTIFIED SOLUTIONS ARCHITECT ASSOCIATE**

**Jake Prest**, Senior Technical Instructor, AWS

Prepare for the AWS Certified Solutions Architect – Associate exam with this interactive study session. Review the AWS Certified Solutions Architect – Associate Official Practice Question Set, and get your questions answered by the subject matter expert leading the study session.

**16:15–17:00**     **TNC203: ARE YOU WELL ARCHITECTED?**  
**Richard Colborne**, Senior Technical Instructor, AWS

Most businesses depend on a portfolio of technology solutions to operate and be successful every day. How do you know if you and your team are following best practices? Do you know what the risks in your architectures might be? In this session, discover how the AWS Well-Architected Framework provides prescriptive architectural advice and how the AWS Well-Architected Tool allows you to measure and improve your technology portfolio.

**17:15–18:00**     **TNC208: UNDERSTAND YOUR CUSTOMERS BETTER WITH A MODERN DATA STRATEGY**  
**Ashish Prajapati**, Senior Technical Instructor, AWS

Companies are producing more data than ever, including real-time data streaming from a variety of sources, such as social media platforms and sensors embedded in devices. That data comes in different forms, including structured, like a customer order record, or unstructured, like a piece of text, an image, or a video. In this session, learn about AWS services that can help build a data solution that can store, access, transform, analyse, and predict. This solution can put your data to work to help make more informed decisions, respond faster to the unexpected, and uncover new opportunities.



11:15-12:00

**ISV104: THE STATE OF SOFTWARE**

**Christian Behrends**, Head of Software EU, McKinsey and Company  
**Daniel Holden**, CEO, Trust Payments  
**Frederico Venturieri**, VP GTM and Partnerships, 10X Banking  
**Rousseau Dasgupta**, ISV Sales Lead, AWS

B2B Software is evolving more rapidly than ever before. Join our panel of experts to explore the cutting-edge trends shaking up the B2B software world. Hear from McKinsey's European software leader and execs from innovative, high growth software companies on the latest in how changes in the investment environment, the rise of SaaS, verticalization of solutions, and how disruption from Generative AI is affecting the software industry. Whether you're a software practitioner, executive, or an investor, you won't want to miss these insights into software's future

12:15-13:00

**ISV105: AN ARMS RACE IN THE CLOUD: DEFENDING ENTERPRISES AGAINST INCREASINGLY SOPHISTICATED CYBER THREATS**

As cybercriminals and bad actors grow more advanced in their tactics, leveraging artificial intelligence and other emerging technologies, companies building software to defend enterprises find themselves in an arms race. In this panel, executives on the frontlines of cybersecurity and regulatory technology will discuss the ever-escalating game of cat and mouse. Panelists include leaders from cybersecurity firms focused on network defence, intrusion detection, and other safeguards, as well as RegTech specialists in areas like identity verification and anti-money laundering. Together, they will provide insight into how enterprises can protect themselves in the cloud era, and stay one step ahead of the attackers.

13:15-14:00

**ISV301: HOW SAGE SIMPLIFIED SEMANTIC SEARCH USING AMAZON BEDROCK**

**Hardeep Rai**, Data and AI Product Manager, Sage  
**Amit Lulla**, Principal Solutions Architect, AWS

Providing an intelligent semantic search enriches customer experience but is challenging to implement due to the complexities in understanding user intent. In this session you will discover how Sage were able to leverage Amazon Bedrock, Knowledge Base, and Vector Stores to build an intelligent semantic search solution. You will experience how easy it is to enrich search with machine learning, simplify development, and deliver highly relevant recommendations for customers at scale using AWS.

14:15 – 15:00

**ISV302: HOW TRUST PAYMENTS INCREASED PRODUCTIVITY WITH CHAT USING AMAZON BEDROCK**

**Sam Sanders**, Solutions Architect, AWS  
**Jan Henner**, Head of Data Science, Trust Payments, AWS

Many of us face undifferentiated tasks daily which lead to a decrease in productivity. This is compounded by context switching which increases the time it takes to add value. In this session you will learn how Trust Payments built "TrustPaymentsGPT" by leveraging Amazon Bedrock and Amazon Comprehend, hearing first hand how this solution is already saving engineers up to 2 hours per day on repetitive tasks. You will see how you can also use these technologies without AI expertise to build applications that improve the productivity of your organization.

15:15-16:00

**ISV303: HOW TECKRO USES GENERATIVE AI TO IMPROVE SEARCH FOR CLINICAL TRIALS**

**Sebastian Glowacki**, VP Engineering, Teckro  
**Maciej Baranowski**, Principal Software Engineer, Teckro  
**Aswathy Prasad**, Solutions Architect, AWS

Clinical trials face challenges like participant recruitment and retention due to strict criteria, limited awareness, and geographical restrictions. Resource constraints at clinical sites also reduce effective trial management. Teckro sought to address these issues by leveraging vector databases and large language models on AWS. This talk details Teckro's journey in developing a solution that matches patients to trials using Amazon OpenSearch Service and Bedrock. We will explore how Teckro has harnessed AWS to build an innovative recruitment solution. You will learn how you can embed modern data and AI technologies to tackle critical problems within your domain.

16:15–17:00

**1SV106: AWS FOR SOFTWARE COMPANIES NETWORKING**

Join AWS Enterprise Software and SaaS leaders and experts at this informal gathering to discuss hot topics and use cases that you've seen at the London Summit. Enjoy this chance to network with experts, thought leaders and some of our speakers before heading off to your evening event.

11:15-12:00

**SUS202: AI/ML FOR ESG REPORTING AND DATA-DRIVEN DECISION-MAKING**

**Damien McCloud**, Director, Geospatial & Earth Observation, Arup  
**Tamara Herbert**, Senior Application Development Consultant, AWS

Organisations are making commitments to sustainability but face challenges in measuring and analysing the data required to meet these goals. In this session we'll dive into how organisations can effectively prepare themselves for a changing global marketplace, together with Arup who will present an AWS SageMaker solution for measuring and monitoring the natural world using earth observation data.

12:15-13:00

**IOT201: HARNESSING IOT AND AI FOR SUSTAINABLE WATER USE POWERED BY AMAZON IOT AND SAGEMAKER**

**Soruban Sarvananther**, Digital Networks Manager, Morrison Water Services  
**John Oshodi**, Senior Solutions Architect, AWS

On average, around 25% of Europe's water is lost due to leaks every year. With the switch to smart metering in the water industry, telemetry data can be collected using IoT devices, and insights can be gained from the data using analytics. In this session, you will discover how to build a scalable system for publishing and ingesting smart meter data in real-time using AWS IoT services. Additionally, you will learn how to train and build real-time models in SageMaker, which can detect water leakages and identify unusual water consumption patterns.

13:30-14:00

**Palo Alto Networks****PTS119: PRISMA CLOUD: PROTECT APPLICATIONS FROM CODE TO CLOUD**

**Martijn Baecke**, Snr Product Marketing Mgr EMEA & LATAM - Prisma Cloud, Palo Alto Networks

Learn how Prisma Cloud, a Cloud-Native Application Protection Platform (CNAPP), offers a unified solution from code to cloud. Seamlessly integrating developers, security, and operations teams, it ensures top-notch cloud security. Backed by a Forrester study, Prisma Cloud slashes DevSecOps efforts by 60%, decreases breach risks by 27%, and simplifies compliance reporting by 90%.

14:15-14:45

**Capgemini****PAR200: TURBO-CHARGING SUPPLY CHAIN LIFECYCLE MANAGEMENT WITH AI**

**Graham Upton**, Head of Technology & Innovation, Chief Architect Intelligent Industry (CEng FRAeSFIMechE), Capgemini  
**Claudio Pontili**, Principal CoE AWS South & Central Europe, Europe, Capgemini

Learn how to overcome fragmented information traceability and power-up your circular economy. Discover how to make your supply chain more sustainable with the AI solution at the forefront of aviation; innovated by Capgemini and developed on AWS, using the building blocks of generative AI.

15:00-15:30

**Splunk****PAR204: TFL'S CLOUD MIGRATION JOURNEY – MAKING IT BUSINESS RELEVANT**

**Drew Gibson**, Security Advisor, Splunk  
**Peter Griggs**, Principal Cyber Security Engineer, Technology & Data, Transport for London

Learn how TFL has rebuilt its Security Operations from the ground up to properly plan their route to become a more resilient organization. By starting from a strong data foundation, TFL has migrated to Splunk Cloud, resulting in improved uptime, reduced overheads and better data management. Join Peter's session to see how the team changed mindsets at TFL to keep security operations on track.

15:45-16:15

**Cloudera****PTS112: DELIVERING A DATA MESH AND AI AT AN FSI**

**Paul Mackay**, RVP Cloud Sales EMEA & APAC, Cloudera  
**Brendan Moran**, Regional Vice President Solutions Engineering, Cloudera

Find out how a global financial services company modernized their architecture with Cloudera on AWS. In this case study and panel discussion, hear how teams worked together to deliver a data lakehouse, data fabric and data mesh, with a real-time data pipeline, ready for AI use cases. Get different perspectives on the architectural, infrastructure and business requirements for success.

16:15-16:45

**Denodo****PTS231: DENODO'S APPROACH TO AUGMENTING DATA-DRIVEN RESPONSES ENHANC**

**Vincent Fages Gouyou**, Director of Product Management EMEA, Denodo

Explore leveraging GenAI to enhance Enterprise data strategy, optimizing AWS S3 and EKS for real-time data delivery via data virtualization, minimizing replication across sources. Learn how Denodo's logical approach to data management provides business users with a single AI driven location to gain real-time access to quality data regardless of where it resides, while guaranteeing data security.



**11:15-12:00 PS201: WHAT'S NEXT? KEY TECH TRENDS FOR PUBLIC SECTOR IN 2024 AND BEYOND**

**Matt Johnson**, Enterprise Technologist, UK Public Sector, AWS  
**Isobel Baylis**, Principal ESM, AWS

In this session, we'll explore the cutting-edge tech trends that will shape the public sector in 2024 and beyond. From the transformative power of generative AI in streamlining processes and enhancing citizen engagement to the adoption of Zero ETL architectures for data integration and the increasing accessibility of space technologies for public services, we'll delve into the opportunities and challenges these advancements present. Discover how AWS can empower innovation, enhance transparency, and drive meaningful impact for the future of our communities, at home and abroad.

**12:15-13:00 PS102: FUTURE OF DATA STRATEGIES FOR PUBLIC SECTOR**

**Ed Towers**, Head of Advanced Analytics & Data Science, Financial Conduct Authority  
**Harneet Singh**, Sr. Specialist, AWS  
**Martin Bishop**, Chief Enterprise Technologist, AWS  
**Faye Holt**, Director, Strategic and Central Government, AWS

This session explores the evolving landscape of data strategies within the public sector, aligning with the UK National Data Strategy. It highlights growth areas and the impactful role of data across government and associated bodies. Attendees will gain insights into 'Data Driven everything' and 'Data flywheel' concepts, essential for refining strategies to meet industry trends. The session will feature a fireside chat with public sector leaders, discussing key principles of data strategy and the exciting future developments in this critical area.

**13:15-14:00 MAM201: MIGRATE AND MODERNISE: MIGRATING ENERGY TRADING PLATFORM ENDUR TO AWS**

**Liam Smith**, Director of Trading Infrastructure and Operations, Centrica  
**Johan Hedlund**, Senior Solutions Architect, AWS  
**Bree Wimbush**, Principal Customer Solutions Manager, AWS

Energy trading is a highly competitive industry where speed counts. The energy trading platform is the "jewel in the crown" for these companies. The architecture and tool choice has historically always been an industry secret and part of the "secret sauce" used by each energy trading company to get ahead of the competition. The energy trading platform requires an infrastructure that scales fast, delivers high performance at optimised costs, and supports constant innovation. In this session, learn about the key elements of success when migrating large complex applications and hear from Centrica Energy on their migration of energy trading application Endur to AWS

**14:15 – 15:00 AIM216: LEGAL & GENERAL USE AWS AI TO TRANSFORM CUSTOMER EXPERIENCE, SPEED & PRODUCTIVITY**

**Tariq Surty**, IT Transformation Director, L&G Retail, Legal & General  
**Mark Tritton**, Senior Customer Solutions Manager, AWS  
**Andi Brocks**, Principal Solution Architect, AWS

Imagine you have over 5 million customers who send in paper forms amounting to 5,000 pieces daily. To best serve your customers—and to meet regulatory requirements—you need a way to process all these documents quickly and accurately. To meet this challenge, financial services firm Legal & General (L&G) decided to modernize the daily ingestion of thousands of pension documents for its UK retail retirements division (RRD) using Amazon Web Services (AWS). L&G's UK RRD migrated from its legacy scanning solution to AWS, using artificial intelligence (AI)-powered services. As a result, the division improved document processing speed, compliance with its regulatory service level agreements (SLAs), staff productivity, and customer experience. L&G are now moving to the next phase of their AI journey, using Generative AI to automate customer complaint handling.

**15:15-16:00 SAP201: DELIVERING NEW BUSINESS INSIGHTS WITH SAP ON AWS**

**Navaneeth Ramakrishnan**, Senior UKIR SAP Specialist SA, AWS  
**Andrew Barnes-Webb**, Senior UKIR SAP Specialist SA, AWS

Cloud is transformational for our customers when they can derive new business insights from a combination of both SAP and non-SAP data. SAP on AWS customers can leverage AWS Analytics, AI/ML capabilities to get near real-time insights which move the needle of their business performance; improving operational efficiency; increasing supply chain efficiency; generating new revenue streams; and detecting and responding to business risks at a faster clip. Watch a demo on how to transfer data from SAP application to a serverless S3 data lake using AppFlow, catalog using AWS Glue, execute queries using AWS Athena, and visualize it on QuickSight.

**16:15–17:00 SEC201: NAVIGATING DIGITAL SOVEREIGNTY WITH MORE CONTROL AND CHOICE**

**Max Peterson**, VP Sovereign Cloud, AWS

Organisations are facing increasing complexity in an evolving sovereignty landscape. AWS customers have shared concerns about choosing between the full power of AWS and feature-limited sovereign cloud solutions that could hamper their ability to innovate and grow. AWS believes that organisations shouldn't have to compromise. In this session, discover how the AWS sovereign-by-design approach provides organisations with the most advanced set of sovereign controls and security features and learn how AWS offers infrastructure choice to support unique workload needs and local regulations. See real-world examples of how customers are using AWS' range of sovereign offerings today.

11:00-11:45

**COM201: PATTERNS FOR EFFICIENT SERVERLESS DEVELOPMENT****Yan Cull**, Developer Advocate, Lumigo

Serverless is a very different paradigm from how we used to build software, and many people are struggling with the shift in mindset and approach.

But serverless doesn't have to be hard. Once you figure out the "how", it'd be like getting a superpower, you will be able to do much more with less time and effort and build better software faster.

Yan has run serverless workloads in production since 2016 and has made all the mistakes so you don't have to. He's going to show us what works and what doesn't.

12:00 -12:30

**COM202: BUILDING AND AUTOMATING SERVERLESS AUTO-SCALING DATA PIPELINES IN AWS****Damien Jones**, Data Engineer , Financial Wellness Group

The modern data professional navigates a dynamic data landscape, handling high-velocity raw data at ever-changing volumes. In this 30-minute intermediate session, I demonstrate a fully serverless auto-scaling data pipeline using AWS services.

This session includes:

- Getting and storing API data with AWS Lambda and Amazon S3.
  - Transforming the API data with AWS Glue & Amazon Athena.
  - Pipeline automation and orchestration with AWS Step Functions and Amazon EventBridge.
- Ideal for Data, DevOps, and Architecture professionals, this session offers practical insights into building efficient serverless data pipelines. Join to enhance your skills and explore the latest in Data Engineering and AWS.

12:45 -13:15

**COM103: THE AWS FRUGAL ARCHITECT – IN PRACTICE****Debbie Jones (nee Griffin)**, Technology Consultant, Credera

Brief introduction to the concept of the Frugal Architect as highlighted by Dr Werner Vogels in his keynote at AWS re:Invent 2023. Discussion about how I have put the Frugal Architect LAWS into practice in my client work and why this is important. Test yourself with my AWS Anagram Quiz on Cost Optimization and take away some tips as to how you can incorporate Dr Vogels' LAWS into your work, so that we can all become Frugal Architects.

13:30-14:00

**COM204: WHAT THRIVA LEARNT FROM MIGRATING FROM HEROKU TO EKS****Anita Ernszt**, Senior Site Reliability Engineer, Thriva

Explore how Thriva accomplished a successful migration from Heroku to EKS in 2023. Leveraging EKS, we significantly enhanced our platform's power, security, and scalability, resulting in a 60% reduction in cloud infrastructure costs. During the migration, we gained invaluable insights into platform intricacies, re-trained engineers from ground zero to self-sufficiency, and navigated numerous unforeseen obstacles. Get the guide I wish I had during our migration, ensuring a seamless transition where our engineering teams thrived, unhindered. In my talk, you'll hear how our team of two SREs ensured that running on EKS is now a smooth sailing experience.

14:15-14:45

**COM205: STEP UP YOUR GAME – SIMPLIFYING COMPLEX WORKFLOWS WITH AWS STEP FUNCTIONS****Chloe McAree**, Senior Software Engineer, Hamilton Robson

In the ever-evolving world of serverless architecture, managing complex systems can become a daunting task. Without proper management, dependencies between services such as lambdas can create bottlenecks and reduce efficiency. At its core, this talk looks at how AWS Step Functions can tame a growing collection of complex, inter-dependant lambdas. I'll also talk about a recent customer project, where Step functions delivered better workflows, removed bottlenecks and streamlined development processes. Managing our serverless event orchestrations this way, has allowed us to isolate these services further from the rest of our product, opening up new business opportunities through the AWS Marketplace!

15:00 -15:30

**COM206: RETRIEVAL AUGMENTED GENERATION – WHAT COMES AFTER THE HELLO-WORLD DEMO****Tomasz Dudek**, Data & AI Team Lead , Chaos Gears**Kacper Włodarczyk**, AI Engineer , Chaos Gears

Retrieval Augmented Generation (RAG) is one of its most popular applications of Generative AI. While the basic examples are amazing, the "transition to production" is much more nuanced. In this presentation, we'll tell you what RAG is and how it works, and then point out challenges of the approach along with potential solutions. By using methods such as reranking, small-to-big-retrieval or query rephrasing, we'll increase the quality of answers, while promptfoo or ragas will allow us to proceed around all this methodically and with a "tests and metrics first" approach. After the presentation, you will be ready to build more than just an impressive GenAI demo.



16:00-16:45

## COM107: AWS COMMUNITY PANEL DISCUSSION

**Ryan Potheary**, Cloud and Data Engineering Academy Lead , Digital Futures Group Ltd  
**Ethan Sumner**, Mgr, Cloud Solutions Architect Offering Lead - UK&I Consulting , Cognizant  
**Alexandra Boutsis**, Freelance AAI and Director, Artio Services  
**Ashish Prajapati**, Sr Technical Instructor , AWS

Join us for a panel discussion about AWS Community from our community members who will be sharing their insights on the impact tech communities have on developers. Learn how you can gain skills, network and collaborate with other like-minded builders.

09:05-09:30

**VIL116: COMPLETING A LARGE-SCALE MIGRATION AND MODERNISATION WITH AWS**

**Lucy Dennis** – Migration & Modernisation Business Development Manager, AWS  
**Melash Moodley** – ISV Solutions Architect, AWS

Using a proven 3 phased approach, tools and supporting mechanisms - here at AWS we are helping customers to unlock business value and transformation through AWS services. This lightening talk will provide you an overview of this, drawing on customer use cases and demonstrated success.

09:30-09:50

**VIL101: DELIVERING CUSTOMER OUTCOMES THROUGH AWS PROSERVE INNOVATION**

**Alex Goff** – Senior Security Consultant, AWS  
**Poornima Venkatesan** – Security Consultant , AWS

In this lightning panel we'll talk with AWS Professional Services on how we solved three real-world customer challenges to deliver innovative solutions at scale. How moving from Kubernetes to ECS reduced MoneySuperMarket Group time to market, how Arm was able to innovate chip design quicker through the scale of AWS, and how ProServe helped Formula One innovate to enhance the fan experience. Hear from ProServe consultants Alex Goff, Poornima Venkatesan, Richard Milner-Watts and hosted by Iain Edwards.

11:05 -11:25

**VIL102: BUILDING A DATA GOVERNANCE STRATEGY WITH AMAZON DATAZONE**

**Shoeb Bustani** – Senior Solutions Architect , AWS

In this session, learn how Amazon DataZone helps create a strong data governance foundation with capabilities around cataloguing, discovering, sharing and governing data stored across AWS, on premises and in 3rd party sources. Find out how innovations in Amazon DataZone make it simple for engineers, data scientists, product managers, analysts, and business users to share and access data throughout an organisation so that they can connect data people through shared data and tools and automate data discovery and cataloguing with machine learning.

11:30-11:50

**VIL107: INTELLIGENT DOCUMENT PROCESSING ENABLED BY AWS**

**Sanjay Bapat**, IT Director, Legal & General  
**Thirukumaran Karunanidhi**, Product Owner, Legal & General  
**Alessandro Mucciardi** – Enterprise Service Manager, AWS

Legal & General (L&G) developed an AI Intelligent Document Processing solution that fully automates their currently manual document processing operations for all private and workplace pensions (circa 5M manual documents per year). This powerful solution leverages generative AI and radically reduces processing time and increases efficiency by replacing tedious manual activities with automation. The project involved a comprehensive transition away from existing on-premises technologies, enabling the organisation to take advantage of a more advanced, streamlined document processing system.

11:55-12:15

**VIL203: CHOOSING THE RIGHT USE CASES FOR DEVELOPING GENERATIVE AI APPLICATIONS**

**Prasad Rao** – Principal Solutions Architect , AWS

Generative AI promises transformative opportunities but identifying the right use cases is critical for maximising its value. In this session, we'll walk through a real-world scenario, analysing each step of the business workflow to pinpoint areas where generative AI can drive efficiency and boost profitability. By the end of this interactive session, you'll gain valuable insights into evaluating your own business workflows and uncovering areas for optimal generative AI implementations.

12:20-12:40

**VIL113: HARNESSING CAUSE AND EFFECT TO GROUND GENERATIVE AI WITH CAUSALENS**

**Tom Farrand**, Director of Products, CausalLens  
**Andrew Ellul**, Solutions Architect, AWS

See first-hand how, together, Amazon Bedrock and causalLens' Causal AI can accelerate your data science workflows, and ground results in cause and effect.



12:45 -13:05

**VIL104: ADOPT MULTI-TENANT STREAMING WITH AMAZON MANAGED STREAMING FOR APACHE KAFKA****Emanuele Levi**, Solutions Architect, AWS

Operating architectures at scale can be challenging for any software vendor, which is why many have embraced multi-tenancy to simplify their application management. In this lightning talk, we'll focus specifically on the streaming component within a SaaS architecture and how it can be designed to be multi-tenant. You will learn common streaming multi-tenancy patterns and determine which is the right fit for your use case. You will leave the talk with an understanding of how to implement these architectural patterns seamlessly into your applications.

13:10–13:30

**VIL105: LEADING TOMORROW: EQUITABLE GENERATIVE AI, DIVERSITY & EVOLUTION OF BUSINESS LEADERSHIP****Farhin Khan** UKI HEAD of Data AI GTM, AWS

As we stand at the crossroads of technological innovation and societal transformation, the role of generative AI and business leadership is undergoing a profound metamorphosis. Come join us as we delve into the critical fusion of diversity, digital skills, and generative AI examining how business leaders can adapt their strategies to champion inclusivity and cultural fluency in this evolving landscape. Gain insights into navigating the complexities for fostering inclusivity within AI ecosystems and shaping a future where diversity combined with effective digital proficiency are integral components of successful leadership and organisational change.

13:35-13:55

**VIL106: UNDERSTANDING GENERATIVE AI BUSINESS THREATS****Andrew Kane**, Principal AI/ML Specialist SA, AWS

By considering what the implications of a technology could be on your customers and employees, you can save your organisation from reputational harm and significant future rework while truly demonstrating customer-centricity. This Lightning Talk will cover understanding generative AI business threats in your products or services.

14:00-14:20

**VIL217: NAVIGATING THE EXPECTATIONS OF (FINANCIAL) REGULATORS****Arvind Kannan** – Principal Compliance Specialist, AWS

Arvind Kannan will review common regulatory considerations including operational resilience, data protection and third party risk management. With his experience of working with customers running critical workloads and working with regulators, he will share insights on building compliant workloads on AWS.

14:25-14:45

**VIL215: SMART ENERGY ASSESSMENT****Christopher Potter**- Senior Solutions Architect, AWS

Using data interoperability and machine learning to predict residential renewable energy device installation

14:50-15:10

**VIL108: PROVEN APPROACHES TO ACCELERATING YOUR BUSINESS TRANSFORMATION****Magnus Schoeman** – Principal Customer Solutions Manager, AWS

C-Level executives are realising that current operating models are cramping their transformation ambitions. To embrace the competitive advantage that new technologies (e.g. generative AI) may bring, fundamental shifts in organisational culture and mind-set are needed. AWS customers can access a range of frameworks and methodologies to address this challenge. These include Cloud Adoption Framework (CAF) and Experience-Based Acceleration. AWS continues to evolve these mechanisms to support customers with emerging trends (e.g. CAF for AIML & generative AI). This lightening talk will give you an overview of these approaches and a set of tangible actions you can take to accelerate your business transformation.

15:15-15:35

**VIL109: ROOM MAKEOVERS IN MINUTES: AI GENERATED INTERIORS ON AWS**

**Gareth Faires**, Snr ML Prototyping Architect , AWS  
**Stephen Hibbert**, Sr Prototyping Architect, AWS

Imagine being able to instantly re-imagine a room in different decor styles. In this lightning talk we will walk you through the technologies and techniques behind the Room Generator demo running in the Retail village booth. Learn how to implement a multi-modal RAG pipeline to enable a new customer shopping experience powered by Generative AI. Consumers will see their homes transformed into one of the latest styles with the retailer's products in the generated image - directly linked to a purchasable product on the retailer's storefront. Powered by Stable Diffusion, Amazon Sagemaker, Amazon Bedrock and Amazon Rekognition.

15:40-16:00

**VIL114: GENERATIVE AI: THE NEXT FRONTIER FOR PUBLIC SECTOR TRANSFORMATION**

**Steve Faro**, Senior Solutions Architect, AWS

Interest in generative AI within the UK public sector is rapidly growing, with much excitement about its uses across healthcare, government, education, and nonprofits. This session will delve into the application of generative AI in the public sector, using healthcare as a compelling illustration of its potential benefits. By utilising generative AI through AWS, organisations like the NHS could revolutionise how its services are delivered. This includes making diagnostics and patient interactions more efficient, as well as enhancing operations and decision-making across multiple departments. Join us for an exploration of AWS innovations at the forefront of next-generation healthcare and an assessment of other public services with generative AI potential.

16:05-16:25

**VIL110: HOW AWS AND OUR PARTNERS HELP YOUR VIDEO BUSINESS RETAIN CUSTOMERS FOR LONGER**

**Andrew Horne**, AWS

Subscription churn is the number of subscribers/customers that stop paying for your product/service in a given period of time. In this session, we will examine a few high-level tactics to demonstrate how AWS and our partners can assist you in reducing subscription churn and raising subscriber engagement.

16:30-16:50

**VIL111: WHAT'S THE RIGHT DATABASE FOR YOU?**

**Johnathan Kerr**, Senior Database Solutions Architect, AWS

AWS has a growing range of purpose-built managed databases you can choose from. If you ever wondered which one or ones will make the best fit for your application, this is the session for you. The session will focus on Managed AWS database services – From Amazon DynamoDB, to Amazon ElastiCache, to DocumentDB, to Amazon Keyspaces, to Amazon RDS and Aurora. We will cover the differences and describe the use cases where each of them will fit best.

16:55-17:15

**VIL112: TECH X TRUST: BUILDING AN INCLUSIVE WORLD**

**Madhavi Reddy**, Director Partner Sales EMEA , AWS  
**Rebeka Munoz Morato**, Senior DNB Account Manager, AWS

Here at AWS, we believe that everyone is a leader. In the era of generative AI, we recognize the importance of embracing technology while incorporating best practices and valuable insights from our trusted and diverse community. The synergy of Tech x Trust enables us to integrate the sound judgment of our people into the development of our technology, fostering an inclusive, accessible, and equitable world. Discover how our builders and customers are contributing to this initiative by meeting our diverse team.



11:15-12:00

**UNH108: HOW DATA IN THE CLOUD CAN HELP RESTORE UK'S BIODIVERSITY**

**Edward Baker**, Acoustic Biology Researcher, Natural History Museum  
**Sidd Ramaswamy**, Data Engineer, Natural History Museum  
**Nishant Casey**, Principal Solutions Architect, AWS

Data will drive future sustainability digital technologies, but limited access to and significant costs of acquiring datasets present a barrier to aspiring builders. In this session, find out how the Natural History Museum and AWS are partnering on the Urban Nature Project to transform scientific research through the creation of a Data Ecosystem. The aspiration of the data platform will be to empower Museum scientists and, ultimately, researchers globally to have unprecedented access to a wealth of UK biodiversity and environmental data to support the monitoring, understanding and protection of urban nature.

12:10-12:35

**UNH105: THE HUMAN SIDE OF TRANSFORMATION: OPERATIONALISING SUSTAINABILITY**

**John Simpson**, Sustainability Manager, SSE Energy Solutions  
**Hilary Tam**, Principal BDM for Sustainability Innovation, AWS

As organisations begin to integrate their sustainability and digital innovation roadmaps into core business strategy, the human side of transformation doesn't get nearly enough attention. Join us as John Simpson from SSE Energy Solutions shares with us his experience of operationalising sustainability while delivering technology products to enhance the customer experience. Expect practical tips on how to get started and insights into effective change management strategies to accelerate sustainability transformation on your organisation.

12:45-13:10

**UNH203: ACCELERATE YOUR SUSTAINABILITY JOURNEY USING AWS SUSTAINABILITY DATA FABRIC**

**Pauline Ting**, Data Scientist, AWS  
**Rahul Sareen**, Head of Sustainability Solutions, AWS

In this session, learn how to accelerate your sustainability journey using Sustainability Data Fabric (SDF) on AWS solution. The SDF is a purpose-built flexible and extensible data fabric framework that implements sustainability aware technical solution accelerators for foundational data management functions on AWS (e.g. configurable data ingestion from varying data sources and formats, data quality, lineage, auditing, governance, cataloging). The SDF enables Customers/Partners to build a catalog of common sustainability use cases ranging from compliance/regulatory reporting (e.g. ESG, Carbon Accounting) to advanced use cases (e.g. circular economy, climate risk modeling, energy/water usage optimization).

13:20-13:45

**UNH106: USING ML TO BOLSTER NEXT-GEN BIODIVERSITY MONITORING**

**Lia Gilmour**, Research Manager, Bat Conservation Trust  
**George Lambert**, Founder & CEO, Lambert Labs  
**Nishant Casey**, Principal Solutions Architect, AWS

As the world grapples with climate and biodiversity crises, the need for advanced research and monitoring tools has become increasingly crucial. Accounting for almost a third of all mammal species in Britain's native wildlife, Bats play a vital role in maintaining healthy ecosystems. However, traditional methods of monitoring bat populations are time-consuming and labour-intensive, limiting the scope and accuracy of research efforts. In this session, hear how Bat Conservation Trust, in partnership with AWS and Lambert Labs developed the Sound Classification System, a ground-breaking AI-powered acoustic survey tools that revolutionises biodiversity monitoring and research.

14:00-14:25

**UNH107: EMPOWERING DECARBONISATION WITH SAGE EARTH**

**George Sandilands**, VP Carbon Accounting, Sage  
**Hilary Tam**, Principal BDM for Sustainability Innovation, AWS

As large enterprises are mandated to report on the emissions across their value chain, the reality is a significant makeup of their suppliers may who may not have access to sustainability expertise to help calculate their footprint. Hear how Sage Earth are empowering organisations of all sizes get started on their decarbonisation journey with just a few clicks. Get inspired by the shared vision between Sage and AWS to empower sustainable transformation, focusing on simplifying carbon reporting and accounting for our customers and the wider business community.

14:40-15:05

**UNH202: ENABLING FASTER RESPONSE TO NATURAL CATASTROPHES**

**Shay Strong**, VP, Analytics - ICEYE  
**Johan Hanekom**, Principal BDM for Sustainability Innovation, AWS

Flood impact is a global crisis impacting humanity. ICEYE is building scalable, resilient solutions to give critical insight before, during, and after natural catastrophe events for response and recovery. ICEYE owns and operates the largest constellation of synthetic aperture radar satellites, providing unmatched persistent monitoring capabilities for flood tracking and analysis. Using advanced AI/ML, ICEYE fuses high-revisit satellite imagery with ground measurements and social media to capture precise event evolution and impact. Analytics and artificial intelligence create real-time, life-saving insights on natural catastrophes made availability through elasticity of the AWS Cloud. This session will explore how ICEYE uses AWS from Ground Station to image processing and storage, to enable disaster response decisions for governments and insurers.

15:15-15:40

## UNH204: HOW AWS IS USED TO FIGHT NATURAL DISASTERS AND MITIGATE WILDLIFE RISK

**Darren Ko**, Solutions Architect, AWS

By using technologies like data analytics and machine learning, AWS is empowering firefighters and organizations, like San Diego Gas & Electric, Exci, and BlackBerry AtHoc, to detect, monitor, and respond to wildfires more effectively. Organizations use drones, AI, and predictive modelling to inspect power lines and detect brush fires using cameras and satellite imagery. Through the power of cloud computing, AWS is enabling valuable insights to improve fire management strategies, ultimately aiding in the protection of lives, property, and the environment.



11:10-11:25

## MongoDB

### PTS228: BUILD GENERATIVE AI-POWERED APPS WITH MONGODB ATLAS ON AWS

**Frederic Favelin**, Global Head of Cloud Partner Solutions Architects, MongoDB

Learn how MongoDB Atlas on AWS enables organizations to accelerate the development of generative AI apps, enhance the accuracy of generated content, and leverage proprietary data for continuous learning.

We'll cover: The power of MongoDB Atlas Vector Search and the document model for generative AI. The synergy between MongoDB Atlas and AWS.

11:30-11:45

## Reply

### PTS233: DIGITAL PROOF PLATFORM TO SUPPORT GLOBAL EDUCATION

**Matt Mould**, Partner, Reply

Storm Reply will be joined by Inspirus Global Education, to present how they leveraged the Storm Reply Digital Proof Platform (DPP) solution, to design & develop a digital identity app that supports education and commercial organisations to verify and share supporting documentation for visa applications.

11:50-12:05

## Tata Consultancy Services (TCS)

### PTS304: UNIFIED ANALYTICS DATA PLATFORM ON AWS

**Arun Pradeep**, Business Head - Travel & Hospitality Unit, EMEA at TCS  
**Karen Bullen**, Head of I&O & Workplace Products, easyJet

Learn more about easyJet's journey of unlocking value and uncovering growth opportunities with transformed legacy infrastructure, modern data platform, next generation cloud operating model, and foundation for adoption of generative AI to drive efficiencies across the enterprise.

12:10-12:25

## SUSE

### PTS303: SECURING AMAZON EKS WORKLOADS: YOUR 15 MINUTE GUIDE

**David Johnston**, Country Manager, UKI, SUSE

Discover the secret weapon of zero-trust security for Amazon EKS workloads & how this approach can elevate the security posture of your containerised applications. Learn practical approaches for mitigating both known & emerging vulnerabilities across your software development lifecycle. Gain valuable insights into securing your containers at runtime & best practices for robust EKS configurations.

12:30-12:45

## Accenture

### PTS200: NATIONWIDE – FASTER PAYMENTS ON CLOUD

**Ruud Schoonderwoerd**, Technology Lead for Payments, Nationwide

**Ketan Garde**, Senior Manager (Architecture & Engineering Lead), Accenture UK

The session will cover what are Faster Payments and how Cloud is the right answer for Faster Payments Processing. Along with it there will be a deep dive into how the Faster Payments Architecture looks like on AWS.

12:50-13:05

## Okta

### PTS108: MODERNIZE WORKFORCE AND CUSTOMER IDENTITIES WITH OKTA + AUTH0

**Anthony Swart**, Senior Solutions Engineer, Alliances, Okta

Identity management is part of virtually every software company and interaction in the modern IT world. In this session, learn how to solve your identity needs with the Okta product portfolio (which now includes Auth0). From enabling remote work to helping users secure credentials, discover how to thoroughly prepare your employees and customers for an all-cloud world.

13:10-13:25

## Automation Anywhere

### PTS100: PUT GENERATIVE AI TO WORK WITH INTELLIGENT AUTOMATION

**Pete Guess**, Director Transformation Architecture, Automation Anywhere

Explore the transformative potential of generative AI plus intelligent automation. This session will teach you how you can get the most out of your AWS Bedrock AI strategy by leveraging automation as your action layer through case studies focused on workforce transformation, customer service, finance, and more. AWS + Automation Anywhere allows you to put Generative AI to work.

13:30-13:45

## Redis

### PTS219: FASTER LLM RESPONSES WITH REDIS AND AMAZON BEDROCK

**Joel Jacobson**, Senior Manager, Solution Architects, Redis

Save time, money, and effort in vector database management with Redis Cloud and Amazon Bedrock. Explore semantic caching for faster LLM responses, enhanced retrieval speeds, and improved ROI in GenAI scenarios.

13:50-14:05

## Mesh-AI

### PTS216: ACCELERATING AI ADOPTION IN THE ENTERPRISE

**Deepak Ramchandani Vensi**, Consulting Director, Mesh-AI

2023 was the year of AI experimentation where enterprises performed POCs to see if they were ready to unleash its potential. 2024 is for acceleration, where organisations deploy AI into production to deliver measurable value and to stand out.

Join Mesh-AI to understand how enterprises across industries are accelerating their AI adoption, and find out exactly what you should be considering next.

14:10-14:25

## Cloudera

### PTS114: FAST TRACK TRUSTED GENAI IN PRODUCTION WITH CLOUDERA ON AWS

**Brendan Moran**, Regional Vice President Solutions Engineering, Cloudera

Cloudera's hybrid data platform brings all data, everywhere, to modern use cases including Generative AI. See how you can quickly overcome three big barriers to trusted AI, as we walk you through the easy button for trying Cloudera for yourself. See how AWS, AWS Bedrock, and Cloudera can give you a fast track to business value from GenAI, out of the box, today.

14:30-14:45

## Cohesity

### PTS207: CYBER RESILIENCE FOR AWS NATIVE WORKLOADS

**Chris Dyer**, Senior Channel Systems Engineer UK&I, Cohesity

Cyber Resilience for AWS Native Workloads," where we'll dive into the crucial strategies and technologies designed to protect and recover your cloud-based assets. With the rise of data loss incidents and ransomware attacks targeting cloud environments, understanding how to fortify your AWS workloads against these threats has never been more essential.

14:50-15:05

## WIZ

### PTS123: SECURING YOUR AWS AI PIPELINE - INTRODUCING AI-SPM

**Nicolas Ehrman**, Technical Product Marketing, WIZ

Delve into the crucial aspects of safeguarding your AI pipeline. From data privacy to model security, we explore best practices and strategies to fortify every step of your AI journey. Learn how to mitigate risks, ensure compliance, and foster trust in your AI systems with AI-SPM. Discover actionable insights and empower your organization to navigate the complexities of AI securely in the cloud.



15:10-15:25

## NetApp

### PTS106: KEEP YOUR DATA FOOTPRINT OPTIMISED AND SUSTAINABLE WITH NTAP

**Paul van der Lingen**, Director, Cloud Solutions Architect, NetApp

In this 15-minute session, we will talk about how the NetApp technologies upon which Amazon FSx for NetApp ONTAP is based can help significantly reduce resource utilisation in AWS, resulting in lower costs and a reduction in Data centre related GHG emissions – and showcase a new calculation tool to help quantify savings potential.

15:30-15:45

## Neo4j

### PAR203: HOW KNOWLEDGE GRAPHS ARE SHAPING THE FUTURE OF GENERATIVE AI

**Lee Razo**, Cloud Architect, Neo4j

Enterprise organizations are increasingly turning to AI to solve problems and improve core processes such as fraud detection, customer analytics, and real-time recommendations. Knowledge Graphs uncover hidden relationships in data for Gen AI to deliver more accurate, relevant, and explainable results. Come and hear how Neo4j Knowledge Graphs and AWS Bedrock are shaping the future of Gen AI.

15:50-16:05

## Couchbase

### PTS210: CENTRICA + COUCHBASE: MIGRATING FROM ON-PREM NOSQL TO DBAAS

**Chris Bridgland**, Senior Director, Solutions Engineering EMEA &APJ, Couchbase  
**Titu Joseph Rajan**, Head of Integration, Centrica

Centrica uses Couchbase Capella™ on AWS to provide customer and job history information to its 7K+ field engineers, allowing them to efficiently serve more than 10M customers. Learn how migrating from an on-prem NoSQL platform to a fully managed DBaaS enabled Centrica to decrease cluster sizes, increase performance, reduce human capital management and reliance on infrastructure, and slash TCO.

16:10-16:25

## New Relic

### PTS107: UNLOCKING TRIUMPH: OUR JOURNEY TO A SUCCESSFUL AWS MIGRATION

**Manesh Tailor**, Director, Solutions, New Relic

New Relic, a leading SaaS observability platform, shares the story of its own AWS migration strategy. With over 15,000 businesses relying on New Relic for real-time data into their critical systems and applications, it was a delicate procedure. Hear a candid tale about overcoming stumbling blocks, how issues were identified, what we learned, and how we arrived at a successful AWS migration.

16:30-16:45

## F5

### PTS107: AWS AND F5 TOGETHER TO SECURE YOUR APPS

**Stephen Archer**, Regional Solution Architect North & West Europe, F5

We will go through few use cases on how F5 Inc. can enrich your Cloud Modernization strategy, boost your apps performances? and improve your Web Apps and API security posture.

11:10-11:25

## Dynatrace

### PTS115: DRIVING AWS MODERNIZATION WITH AI OBSERVABILITY & SECURITY

**Rob Kenneally**, Principal Solutions Engineer, Dynatrace

Global businesses embracing the cloud must prioritize optimal architecture and efficient usage. This session explores real-world examples of how Dynatrace's unified observability and security platform improves performance, reliability, and security in AWS environments. Learn how to advance AWS architectures through actionable, data-driven intelligence, ensuring a future-proof foundation.

11:30-11:45

## HashiCorp

### PTS215: SELF-SERVICE INFRASTRUCTURE IS NO LONGER A DREAM

**Andre Pimentel**, Senior Solutions Engineer, HashiCorp

Platform teams can use Terraform Cloud, HCP Waypoint, and the AWS Service Catalog to create simplified Terraform-based workflows for developers. Modern Terraform modules can incorporate unit testing, built-in security, policy enforcement, and reliable version updates. Using these tools, you can establish standardised workflows to deploy applications and deliver a seamless developer experience.

11:50-12:05

## PwC UK

### PTS218: RESPONSIBLE AI: HOW TO MOVE FROM PROOF OF CONCEPT TO SCALING

**Chris Oxborough**, Lead for Responsible AI, PwC UK

To capitalise on the innovative potential of AI, organisations need to move beyond proof of concept or limited use cases into wholesale adoption. That requires a different approach -one that draws on trust, governance and risk management to support accelerating innovation. We unpick this complex challenge to provide a way forward that supports - not stifles - innovation.

12:10-12:25

## DataStax

### PTS301: GOAL! BUILDING THE ULTIMATE PREMIER LEAGUE TRIVIA BOT USING AMAZON BEDROCK AND ASTRA DB

**Sami Kaksonen**, Principal Solution Engineer, DataStax

In this talk we're going to build an interactive trivia bot that knows EVERYTHING about the Premier League. We're going to seed our bot using information scraped from Wikipedia, use Astra DB to store and search this information and tie everything together with Amazon Bedrock. This will be an interactive presentation, so bring your phones and try to stump our trivia bot!

12:30-12:45

## Check Point Software

### PTS203: SECURING GENERATIVE AI ON AWS: PRACTICAL STEPS AND TOOLS

**Stuart Green**, Cloud Security Architect & Evangelist, Check Point Software

Practical strategies to secure next generation workloads on AWS using Check Point CloudGuard, AI powered threat prevention engines and AWS Services. Build your perimeter with Next-Generation firewall capabilities whilst leveraging data loss prevention. Secure code, data-pipelines, sensitive data, and files with secret scanning. Avoid data blind spots by leveraging AWS Macie. Safeguard your Cloud Workloads in AWS leveraging Check Point CloudGuard, it's AI engines and deep integration with AWS native services, today.

12:50-13:05

## Aiven

### PTS201: BUILDING AI ENGINES WITH CLICKHOUSE, AWS LAMBDA AND S3

**Ben Gamble**, Enterprise and Solutions Marketing Lead, Aiven

In this session, we'll explore end-to-end AI pipelines with a serverless data warehouse using Aiven for Clickhouse, AWS Lambda, and S3. You'll learn how to overcome scalability challenges for large language models and optimize costs along the way. Join to learn more about AWS Lambda for efficient processing of training sets, messages, and seamless integration with S3, Kafka, and user interfaces.



13:10-13:25

## Persistent Systems

### PTS110: FUTURE OF BANKS: DRIVING TECHNOLOGICAL INNOVATIONS AND GROWTH

**Sudip Dasgupta**, Chief Technology Officer, Monument Bank

Monument is a prominent UK-based digital bank, specializing in delivering tailored banking solutions to the mass-affluent market. Discover how, with the help of Persistent Systems, they are using innovative technologies to offer superior services and how AWS cloud can help drive agility, deliver scalability and ensure cybersecurity for the same.

13:30-13:45

## Datadog

### PTS117: THE QUEST TO END-TO-END VISIBILITY

**Rory McCune**, Senior Technical Advocate, Datadog

As organizations adopt cloud technologies, their ecosystems become more complex and challenging to manage. In this session, we will discuss the journey of adopting observability to effectively monitor and manage ever changing cloud environments. We will explore the key elements of observability - spanning infrastructure, applications, and users, while maintaining security and controlling costs.

13:50-14:05

## Cloudflare

### PTS205: STAY AHEAD OF THE CURVE WITH THE EVOLVING AI LANDSCAPE

**Mark Dembo**, Solutions Architect – Developer Services, Cloudflare

The pace of AI innovation & adoption is happening at a faster rate than other technologies. You have to quickly determine what guardrails to put around consumption and where to add AI elements into your applications and workflows. The number of tools and use cases seem to be multiplying daily. Learn how you can consume, build, protect, and defend in this rapidly changing environment.

14:10-14:25

## CAST AI

### PTS204: FIGHT WASTE: ENHANCE RESOURCE UTILIZATION IN EKS CLUSTERS

**Augustinas Stirbis**, CAST AI

Only 13% of provisioned CPUs typically end up being utilized. Memory utilization is only slightly higher at 20%. This session brings the elephant in the room to light, highlights the three main culprits causing cloud waste, and details the four best practices based on real-world case studies showing how teams increased their utilization of cloud resources, improving performance and reliability.

14:30-14:45

## Automat-it

### PTS101: HOW WE MIGRATED AN AI-POWERED CONTACT CENTRE ON 6 AWS REGIONS

**Yoav Zuri**, CTO, Automat-it  
Natterbox

AI-powered contact centre solution, Natterbox, is all about facilitating conversations that exceed expectations. When the company partnered with Automat-IT to migrate some of their critical workloads from on-premise to multiple AWS regions, they found their own expectations exceeded! Working closely with Automat-IT, they were able to scale, improve security & resiliency, and optimise costs.

14:50-15:05

## PagerDuty

### PTS217: REDUCE RISK OF OPERATIONAL FAILURE WITH AIOPS AND AUTOMATION

**Tim Chinchin**, Global Field CTO, PagerDuty  
**Tesh Ruparell**, Solution Consultant, PagerDuty

To build operational resilience you must get ahead of urgent situations. Reducing coordinative costs during incidents is critical to protecting revenue and the customer's experience. Hear how organizations like Vodafone, TUI and IAG deliver an automated approach to modern incident management, driving business value through reduced revenue loss.

15:10-15:25

## Lacework

### PTS105: REGULATORY POP: NIS2, DORA, BEER, & BUBBLY

**Andy Schneider**, Field CISO, Lacework

With new regulations coming to fruition, it can become a challenge to understand the impact they have on organizations. The NIS2 cybersecurity directive, as well as DORA, both put a new spin on how technologies like AI and ML will make a difference. This session will discuss how these technologies, including anomaly detection, are going to help you address the diverse threat landscape.

15:30-15:45

## EPAM

### PTS116: EPAM & TRAVELERS: CLOUD MIGRATION SUCCESS

**Andy Wilkins**, Head of Engineering, Travelers

Embark on a collaborative journey with EPAM & Travelers Europe as we tackle cloud migration challenges. Learn how our expertise accelerates the transition to AWS EKS, revealing key strategies for DevSecOps. Gain insights into automated testing and SVN to GitHub transition, experiencing our hands-on approach driving Travelers' success.

15:50-16:05

## Informatica

### PTS122: STREAMLINING THE DATA LANDSCAPE: WITH INFORMATICA AND AWS

**Helen Kinsella**, Community of Practice Leader Data Governance and Privacy, Informatica  
**Andy Thomas**, AWS Customer Architect, AWS

Witness how leading-edge solutions from Informatica and AWS are breaking down silos and igniting a new era of collaboration. Address critical data challenges Data Sharing. Elevate data quality. Enhance data lineage visibility Implement granular access controls Drive strategic decision-making. Don't let data silos hinder your company's efficiency and innovation.

16:10-16:25

## Elastic

### PTS214: MODERNIZE OPERATIONS WITH ELASTIC AI ASSISTANT

**Rob Kernutt**, Principal Solutions Architect, Elastic

In this session, you will hear how AI is helping to empower Observability. The rapidly evolving landscape of Generative AI and Large Language Models provides the perfect basis for an advanced, intelligent observability solution. Find out what Amazon Bedrock and Elastic Observability can offer together to enhance an Observability engineer's day to day role.

16:30-16:45

## BMC Software

### PTS229: UNLOCK CLOUD INNOVATION WITH BMC AND AWS

**Shafi Mani**, Director Product Development, BMC Software

Want to empower enterprise IT teams with AIOps and observability-powered visibility and control? Imagine boosting service performance, orchestrating workflows, and managing critical data with cloud scalability for faster decision-making and powerful innovation capabilities. Learn how businesses with complex environments can optimize their AWS investment and deliver business results with BMC.



11:10-11:25

## Deloitte

### PTS212: REGENERATE YOUR BUSINESS WITH GENAI

**Ahmed Salem**, Director of AI & Data Engineering & Transformation, Deloitte

In the evolving landscape of digital transformation, leveraging Generative AI is key to innovation. Our expertise in GenAI propels businesses into new realms of efficiency and performance. Learn how we take our clients on a journey to regenerate their business with GenAI.

11:30-11:45

## Cognizant

### PTS206: COGNITIVE ARCHITECTURE FOR GENERATIVE AI: THE PATH TO MVP

**Philip Basford**, Senior Director (Data & AI), Cognizant UK&I Consulting

Wherever you are on your Generative AI journey, Cognizant Cognitive Architecture provides a framework to rapidly prototype your Gen AI concept and turn it into a real-world solution – while keeping your data secure and compliant. In this session, we'll demonstrate how our approach can accelerate the path to Gen AI success.

11:50-12:05

## Palo Alto Networks

### PTS118: PROTECTING YOUR HYBRID CLOUD WITH ZERO TRUST

**Steven Alsop**, Prism Cloud Solutions Architect, Palo Alto Networks

Over 40% of orgs have suffered a cloud-based breach. With over 87% of businesses taking a hybrid cloud strategy, protecting apps from sophisticated cyber threats is more challenging than ever. In this session, we'll discuss unique challenges customers face in hybrid environments and how to deploy and manage network security seamlessly.

12:10-12:25

## Rapid7

### PTS302: COMMAND THE CLOUD: THREAT INTEL FOR ATTACK SURFACE SECURITY

**Raj Samani**, SVP, Chief Scientist, Rapid7

Learn how to protect your Cloud assets from cyber threats. This presentation dives into the very latest threat intelligence to manage and defend against attacks in a Cloud environment. Discover practical strategies to stay ahead of hackers and safeguard your data in the Cloud.

12:30-12:45

## Slalom

### PTS220: SAVING LIVES WITH A GEOLOCATION APP TO LOCATE GAS LEAK

**John Hutchins**, Client Services Director, Slalom  
**Daniel Edwards**, Head of Customer Centre Operations, Cadent Gas

Learn how Cadent/the National Gas Leak Emergency Helpline improved the speed and accuracy for locating potential gas leaks, and therefore prevent accidents, with a user-friendly app built on AWS. Timeliness of reporting the location of a gas leak is crucial to public safety, and every second counts.

12:50-13:05

## Zesty

### PTS222: ELASTIC STORAGE ON K8S THAT SCALES WITH YOU

**Omer Hamerman**, DevOps, Zesty

Kubernetes is revolutionizing infrastructure and increasing applications deployed on AWS EKS, including stateful applications needing attached disks. Predicting disk size often lead to over-provisioning or capacity issues causing application failures. Let's explore solutions ranging from manual approaches to a fully automated, one-line installation process to address these challenges efficiently.

13:10-13:25

## DXC Technology

### PTS104: REAL LIFE AI ENTERPRISE CHALLENGES AND HOW TO GET BEYOND

**Rajesh Krishnan**, DXC Technology

Leveraging the business benefit of AI demands scaling AI use cases. Most AI use cases do not leave the lab. DXC has brought > 30 customer's expectations to reality by overcoming real-life challenges, across industries, that emerged from AI use cases operationalized. Join us to hear obstacles we've encountered and to learn how to avoid obstacles on the path to productive and profitable AI.

13:30-13:45

## Red Hat

### PTS111: HOW TO ACCELERATE YOUR CLOUD MIGRATION AND INNOVATE WITH AI

**Alex Berardinelli**, Partner Account Manage, Red Hat  
**Per-Ove (Peo) Johansson**, Business Development Cloud Services, Red Hat

Discover how Red Hat® technologies can expedite your transition to the AWS cloud. This session will introduce the Red Hat OpenShift Service on AWS, a solution to enhance service delivery speed. We'll explore how this service can synergise with Red Hat Enterprise Linux and Ansible to facilitate rapid cloud migrations. Together, these platforms form the backbone for scaling AI innovation.

13:50-14:05

## Cortex

### PTS209: RETHINKING CONTINUOUS IMPROVEMENT WITH METRIC SCORECARDS

**Justin Reock**, Head of Developer Relations, Cortex  
**EFG**

Many organizations struggle with basic problems like service ownership and production readiness standards. Even when teams are able to visualize and understand their systems, many still report difficulties aligning on cross-functional improvements. In this session you will learn how to use scorecards to not only align on initiatives, but to seamlessly and sustainably drive collaborative work.

14:10-14:25

## Cribl

### PTS103: ENABLING DATA FLOW. STREAMLINING DATA COLLECTION WITH CRIBL

**Aldo Dossola**, Sr Dir, Cloud Service Partners, Cribl

Cribl, the Data Engine for IT and Security, gives customers choice and control of their data, being able to use one agent to collect data from your EKS cluster, and then route it to multiple tech stacks in the right format(s). Join us to learn how to easily share data between security and operations and standardise data collection across your EKS and EC2 data without all the noise - and at scale.

14:30-14:45

## DoiT

### PTS213: HOW DOIT HELPED SLIIDE TO LEVERAGE FINOPS TO SCALE 5x&

**Kate Gawron**, Senior Cloud Architect II, DoiT  
**Jay Rawal**, Head of Dev Ops, Sliide

Discover how Sliide, with DoiT's support, achieved a remarkable 31% reduction in cloud costs over the span of six months by implementing FinOps principles. As a result, Sliide was able to scale 5x by working closely with DoiT's AWS-certified cloud architects to optimize its cloud infrastructure. You'll leave with key actionable insights to enhance your cloud projects and scale your business.

14:50-15:05

## CrowdStrike

### PTS211: BUILDING A CONSOLIDATED CLOUD SECURITY STRATEGY

**Patrick Magat**, Senior Director Horizon EMEA, CrowdStrike

Cloud adoption is exploding, as companies realize the potential for innovation and business agility that the cloud offers. Developers also deploy new code every day in the cloud, which creates new attack surfaces and threats for businesses. We will share best practices and strategies to leverage cloud threat intelligence and a consolidated technology approach to secure the cloud.



15:10-15:25

## Zscaler

### PTS223: ZERO TRUST AI SECURITY FOR THE ENTERPRISE

Yaroslav Rosomakho, Zscaler

An AWS Advanced Technology Partner, Zscaler has been a leader in zero trust for over a decade. Join this session to learn how to:

- Improve security posture with zero trust
- Reduce attack surface & prevent lateral threats
- Accelerate migration of on-prem apps to AWS
- Enjoy fast, direct access to private apps & workloads
- Deploy AI-powered security for sensitive data, workloads, and GenAI data

15:30-15:45

## T-Systems

### PTS221: AWS-POWERED METAHUMAN AVATARS

Artur Schneider, Senior Cloud Consultant, T-Systems

Join us as we explore the emergence and growth of Metahuman Avatar Technologies, delving into the challenges faced and the instrumental role of AWS in this technological evolution. Our session will provide a high-level overview of our solution's architecture and its potential impact across various industries.

15:50-16:05

## AMD

### PTS202: CONQUER CLOUD CHALLENGES WITH A COMPETITIVE EDGE WITH AMD

Benjamin Shrive, Head of Cloud EMEA, AMD

CPU choice matters. Join us to delve into the cutting-edge capabilities of AMD EPYC CPUs, renowned for their best-in-class performance and efficiency. Learn how to strategically reallocate your cloud infrastructure budget, channelling it towards value-driven initiatives. Elevate your technical acumen and financial efficiency as you navigate the CPU landscape with us.

16:10-16:25

## SAS

### PTS230: CONSOLIDATE ANALYTICS AND GAIN CUSTOMER INSIGHT WITH SAS® AND AW

David Shannon, Head of Hyperautomation • Customer Advisory Technology North, SAS Institute

Leonora Gouveia, Sr. Business Solutions Manager • CI Solutions, SAS Institute

In a recent survey, 99% of UK firms had issues with data in multiple clouds and 92% of the firms had 3 or more AI & analytics tools. Hosting SAS on AWS can help you connect and analyse all your data, wherever it is, and gain greater customer insight for your organization. Join our session to learn how our clients are leveraging data to increase business value and better understand their customers.

16:30-16:45

## Confluent

### PTS120: BUILDING REAL-TIME GENAI APPLICATIONS WITH CONFLUENT AND AWS

Peter Pugh Jones, Director, Financial Services, Confluent

In this session, we will explore the transformative potential of Artificial Intelligence (AI), particularly Generative AI, and how it can be harnessed to build real-time applications. We will discuss how Confluent and Amazon Bedrock can power these applications, providing high-quality, reliable, and instantly applicable data.