Benjamin Pilgrim

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TGNThump ⭘

Feb 2024 - Present

RISQ Capital - Senior DevOps Engineer

- Spearheaded delivery of a DevOps Strategy focused around five key initiatives; Foundational Infrastructure, Platform, Release Engineering, Security & Compliance and Site Reliability Engineering
- Developed a AWS well-architected multi-account landing zone using Terraform and AWS CloudFormation, Organizations, CloudTrail and Config
- Ensured people, pipelines and machines can securely access AWS APIs in a least-privileged manner using IAM, Identity Center, Systems Manager and Cognito
- Designed and implemented a global hybrid network built around AWS Cloud WAN, connecting VPCs in multiple regions, as well as co-located networks
- Facilitated rapid iteration and repeatable delivery through development of a python-based CI/CD toolchain that can be ran locally for rapid development iteration and in GitHub Actions for safe production deployments
- Utilised AWS Systems Manager to provision and manage long-running tasks in performance-critical systems, on EC2 and managed hybrid instances and standardised architecture for scheduled and event driven tasks using containers, EventBridge, Step Functions and ECS
- Reduced monthly AWS spend by 5% through targeted cost optimizations

Mar 2022 - Nov 2023

MMT Digital - Cloud Systems Engineer

Vodafone - Senior DevOps Engineer (via MMT Digital)

- Helped to define and implement a strategy for the creation of a global Internal Developer Platform, driving internal efficiency while reducing time-to-market
- Delivered an end-to-end proof of concept, successfully onboarding our first local market team, demonstrating value to the wider business and providing rapid feedback to component teams
- Designed and lead development of serverless control plane APIs for the platform, using AWS Lambda, API Gateway, Step Functions, DynamoDB and S3
- Maintained Terraform modules for Lambda, API Gateway and CloudFront used by multiple teams across Vodafone
- Worked across team boundaries, delegating where necessary, to mitigate blockers to strategic delivery and ensure the platform was delivered on time and to a high standard
- Lead the design and development of an Azure Devops based CI/CD/CT framework, enabling teams to deploy their services to multiple environments with minimal configuration
- Developed a CLI tool and web interface for parameterised service templates, enabling deployment of new services, complete with baseline CI/CD, infrastructure and code in minutes rather than days
- Guided my team to improve code quality and reliability through automated testing, linting, formatting and type-checking at CI time
- Mentored junior and mid level engineers through pair programming, code reviews, helping to improve their technical skills and confidence
- Shortlisted as a finalist for Young Digital Professional of the Year in the 2023 Computing Digital Technology Leaders Awards

Jul 2019 - Mar 2022

HTK - Software Engineer

- Worked on a variety of services and projects, primarily as a Java backend engineer on an event-driven multi-tenant loyalty and marketing automation platform
- Developed a real-time transaction and promotion rules engine using Spring Boot, Kafka, Storm and DocumentDB
- Wrote T-SQL migration scripts and helped maintain schemas and stored procedures for multiple large databases
- Developed a proof of concept for a multi-account AWS architecture using Terraform for a greenfield data lakehouse platform, driving my interest in cloud engineering
- Designed and developed frontend user interface pages and components, including a complex promotion builder with a 'drag-n-drop' nested condition editor for use by customers

2016 - 2019

University of Liverpool - BSc (Hons) Computer Science (First Class)