

## Employment

Mar 2022 - Nov 2023

### MMT Digital - Cloud Systems Engineer

#### Vodafone - Senior DevOps Engineer (via MMT Digital)

- As part of the SRE Leadership Team, I've helped to define and implement a strategy for the creation of a global Internal Developer Platform, a strategic initiative to centralise Cloud Engineering functions across Vodafone into a single platform, driving internal efficiency while reducing time-to-market
- I was drafted into a "Skunk Works" team to deliver an end-to-end prototype of said platform, unlocking immediate value for both our team and another local market
- I designed and lead development of serverless control plane APIs for the platform, using AWS Lambda, API Gateway, Step Functions, DynamoDB and S3
- I developed and maintained Terraform modules for AWS infrastructure, including Lambda, API Gateway and CloudFront, used by multiple teams across Vodafone
- I've worked across team boundaries, delegating where necessary, to mitigate blockers to strategic delivery
- I led the design and development of an Azure DevOps Pipelines CI/CD/CT framework for consumers of the platform, enabling teams to deploy their services to multiple environments with minimal configuration
- I developed a package manager CLI tool and web interface for parameterised service templates, accelerating time to market by enabling deployment of new service repositories, complete with baseline CI/CD, infrastructure and code in minutes rather than days
- I've championed software engineering and DevOps best practices, guiding my team to improve code quality and reliability through automated testing, linting, formatting and type-checking at CI time
- I've mentored junior and mid level engineers through pair programming, code reviews, helping to improve their technical skills and confidence

Jul 2019 - Mar 2022

### HTK - Software Engineer

- I designed and developed a multi-account AWS architecture using Terraform for a greenfield data lakehouse platform
- I was the technical owner, designer and lead developer of a distributed event-driven customer journey automation platform
- I developed Java / Spring Boot based services, user interfaces and APIs following a 3-tier application model for a multi-tenant SaaS platform
- Assisted the operations and quality assurance teams with investigating, mitigating and fixing production incidents and bugs reported by customers
- 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

Sep 2018 - Jun 2019

### Liverpool Guild of Students - Student Staff Theatre Technician

Lighting and Sound Operator at Liverpool Guild of Students, working with student societies and other organisations on musicals and events.

## Awards

2023

### Finalist for Young Digital Professional of the Year

Computing - Digital Technology Leaders Award

## Education

2016 - 2019

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

