
ABOUT

I'm Jake, a DevOps engineer based in Cardiff with around eight years' experience across DevOps, cloud infrastructure and security. I take messy, undocumented infrastructure and turn it into something codified, automated and easy for teams to own, and my security background still shapes how I build.

EXPERIENCE

Tech Ops Engineer, Helm Markets, Cardiff (hybrid) Mar 2025 – present

- Built a new production environment entirely in infrastructure as code to launch in Australia, designed to replace the EU infrastructure in time.
- Rolled out Grafana observability (Loki, Grafana, Tempo and Prometheus) covering cluster metrics, application logs and traces.
- Building a replacement CD system, moving deployments from Octopus Deploy towards Argo.
- Set up Vanta and Upwind as part of the company's SOC 2 programme.
- Modernising and optimising a platform built by three teams over ten years with little overlap between them.

DevOps Engineer III, Vidsy, London Jan 2023 – Feb 2025

- Rebuilt a proprietary deployment system, which only one departed developer understood, as standardised GitHub Actions workflows that automated testing and deployment for every team.
- Reconciled drifted Terraform with the live AWS estate so code was the source of truth again, then extended it as teams needed new infrastructure.
- Moved IAM and access control out of the console and into Terraform.
- Closed a gap in front-end test coverage that was letting bugs reach production with Datadog synthetic tests, written in Terraform and driven from a single config file.
- Ran an external penetration test end to end and coordinated the fixes across development teams and infrastructure.

DevOps Engineer, Seccl, Bath 2020 – 2022

- Replaced an ageing self-hosted Jenkins with a full GitHub Actions rebuild.
- Broke a monolithic, undocumented DevOps setup into modular build and test tooling.
- Moved Lambda functions that had outgrown Lambda's size limits to ECS.
- Acted as Scrum Master through a management transition.

Junior DevOps Engineer, Novatiq, Cwmbran 2019 – 2020

- Migrated the platform from on-premises hardware to AWS, bringing it to a stable footing.
- Moved CI/CD and Git hosting off ageing on-premises servers to GitLab cloud.

Security Engineer, Airbus, Newport 2018 – 2019

- Monitored high-risk, high-impact clients for cyber threats in a four-person SOC.
- Trained and onboarded new SOC analysts.

EARLIER WORK

Security Consultant, Wolf Berry (2016) · Systems Engineer, Sequence (2015) · Green-keeper and waiter, Celtic Manor Resort (2012–2014) · Barista, Lodge Coffee and Deli (2011)

EDUCATION

BSc Ethical Hacking and Network Security (2:1), Coventry University 2014 – 2018

Computing BTEC (MMM), Coleg Gwent 2012 – 2014

SKILLS

AWS · Terraform · Kubernetes · Helm · GitHub Actions · Octopus Deploy · Grafana · Prometheus · Python · Bash · SQL · Linux · Docker · Ansible · Packer · Jenkins · Datadog · Godot