

# Noah Frost

AI-Native Infrastructure Engineer | DevSecOps | AWS Certified | 20 Publicly Documented Projects | Seeking UAE Opportunities

✉ Noahfrost@outlook.com    📞 REDACTED    📍 REDACTED    🔗 noahfrost.co.uk

🌐 <https://www.linkedin.com/in/nfroze>    🐙 [github.com/nfroze](https://github.com/nfroze)

## Personal Statement

Self-directed engineer with a systematic methodology for accelerated learning and execution using AI as a force multiplier. Over 8 months, designed own curriculum and built 20 cloud infrastructure projects spanning multi-cloud orchestration (AWS, Azure, GCP), Kubernetes operations, Terraform Infrastructure as Code, CI/CD pipelines, and DevSecOps—all publicly documented on GitHub. DevSecOps bootcamp graduate with security-first foundations from CISO-led training. Certifications (AWS Cloud Practitioner, CompTIA Security+, Terraform Associate) earned through hands-on project work without traditional exam preparation. Built 1,500+ LinkedIn network and 500,000+ impressions through consistent documented execution. Seeking opportunities in the UAE where merit and capability drive success. British citizen ready to relocate for organizations that value demonstrable skills and innovation over traditional credentials.

## Key Projects

### Project 20: Multi-Cloud Orchestration

- Designed and deployed infrastructure across AWS, Azure, and GCP using Terraform with Ansible configuration management and Datadog monitoring
- Implemented GitHub Actions workflow for automated multi-cloud provisioning and configuration drift detection
- Demonstrated cloud-agnostic architecture principles and ability to rapidly learn unfamiliar platforms through systematic methodology

### Project 12: MCP Meets K8s

- Architected Model Context Protocol server for Kubernetes operations on AWS EKS with ArgoCD GitOps deployment
- Integrated security scanning pipeline (Checkov, Semgrep, Gitleaks, Trivy) implementing shift-left security practices
- Deployed Prometheus and Grafana monitoring stack for cluster observability

### Project 5: DevSecOps Pipeline

- Deployed Node.js application to Amazon EKS with automated security scanning integrated throughout CI/CD pipeline
- Provisioned AWS infrastructure using Terraform including GuardDuty threat detection and Splunk SIEM integration
- Applied shift-left security principles learned from CISO-led DevSecOps training

### Project 17: AI Developer Platform

- Architected Internal Developer Platform using Backstage on hybrid AWS EKS/ECS with MLflow for ML model lifecycle
- Implemented ArgoCD GitOps workflow with Helm chart deployments for declarative infrastructure management
- Designed complete platform infrastructure using systematic decomposition approach

### Project 19: AI Governance Framework

- Deployed policy enforcement framework using HCP Terraform Sentinel policies and OPA Gatekeeper on AWS EKS
- Implemented Kubernetes admission control for ML model tracking and compliance validation
- Established automated policy-as-code enforcement preventing non-compliant deployments

**Full portfolio with documentation: [noahfrost.co.uk](https://noahfrost.co.uk)**

## Skills

**Cloud:** AWS (EC2, S3, IAM, RDS, Lambda, EKS, ECS, CloudWatch), Azure, GCP

**Containers:** Docker, Kubernetes, Helm

**CI/CD:** GitHub Actions, Jenkins, GitLab CI, ArgoCD

**IaC:** Terraform, Ansible

**Languages:** Python, Bash, YAML, HCL

**Operating Systems:** Linux

**Monitoring:** Prometheus, Grafana, ELK Stack, Datadog

**Version Control:** Git, GitHub

**Methodologies:** Agile, DevOps, GitOps, DevSecOps, Shift-Left Security

## Professional Experience

### Cloud Infrastructure Engineering, Independent Practice

09/2024 – Present | Remote

- Designed and executed 20 cloud infrastructure projects using self-developed systematic methodology: research → design → build → checkpoint → iterate, all publicly documented on GitHub
- Built AI-assisted engineering workflow treating LLMs as collaborative partners—strategic direction retained, tactical execution delegated—accelerating learning cycles and project delivery
- Achieved AWS Cloud Practitioner, CompTIA Security+, and Terraform Associate certifications through hands-on project implementation without traditional exam preparation
- Grew technical community presence organically to 1,500+ LinkedIn connections and 500,000+ post impressions through consistent documented execution and authentic engagement

### DevSecOps Bootcamp, Cyber Agoge

09/2024 – 11/2024 | Remote

- Completed intensive 6-week DevSecOps programme led by Global CISO with KPMG, BAE Systems, and UK Government background
- Established security-first foundations and shift-left methodology applied to all subsequent infrastructure projects
- Developed systematic approach to problem decomposition and evidence-based decision making

### Police Constable, Metropolitan Police

02/2022 – 09/2023 | London, UK

- Developed systematic problem-solving approach, composure under pressure, and ability to process complex information quickly
- Built communication skills across diverse stakeholders and high-pressure situations
- SC clearance eligible through service (British citizen with clean record)

## Certificates

**CompTIA Security+**

**AWS Certified Cloud Practitioner**

**HashiCorp Certified: Terraform Associate**

**AWS Certified Solutions Architect – Associate – IN PROGRESS**

## Education

**Law (Criminal Justice) LLM, Northumbria University**

09/2023 – 2024

Final Term Paused

**Criminology BSc (Hons), University of Chester**

09/2016 – 09/2020