

# Noah Frost

AI Infrastructure Engineer | DevSecOps | Cloud Platforms |  
Terraform & Kubernetes



British 🇬🇧 United Kingdom (Open to immediate relocation to UAE)

Requires employer sponsorship 📄 Noahfrost@outlook.com

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## Personal Statement

AI-native infrastructure engineer with a systematic methodology for rapid learning and execution. Built 20 cloud infrastructure projects independently across AWS, Azure, and GCP—designing architecture, implementing solutions, and documenting outcomes without external templates or supervision. DevSecOps foundations from CISO-led training with security integrated from day one. Comfortable operating in ambiguity, building from the ground up, and delivering results in greenfield environments.

Certifications earned through hands-on project work: AWS Cloud Practitioner, CompTIA Security+, HashiCorp Terraform Associate.

Available for immediate relocation to the UAE.

## Skills

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

**Infrastructure as Code:** Terraform, Ansible, Helm

**Container Orchestration:** Kubernetes, Docker

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

**Security & Compliance:** Checkov, Trivy, Semgrep, Gitleaks, OPA Gatekeeper, Sentinel

**Observability:** Prometheus, Grafana, ELK Stack, Datadog, Splunk

**Languages:** Python, Bash, HCL

**AI/ML Tooling:** MLflow, Model Context Protocol (MCP)

## Professional Experience

### Independent Cloud Infrastructure Engineering, Independent Projects

11/2024 – Present | Remote

Designed and executed 20 cloud infrastructure projects using a systematic methodology: research, design, build, validate, iterate. All work publicly documented on GitHub.

## Key Projects:

**Multi-Cloud Orchestration (AWS, Azure, GCP)** Deployed infrastructure across three cloud providers using Terraform with Ansible configuration management and Datadog monitoring. Implemented GitHub Actions workflow for automated provisioning and configuration drift detection.

### AI Developer Platform

Architected Internal Developer Platform using Backstage on hybrid AWS EKS/ECS with MLflow for ML model lifecycle management. Implemented ArgoCD GitOps workflow with Helm chart deployments.

### AI Governance Framework

Deployed policy enforcement framework using HCP Terraform Sentinel policies and OPA Gatekeeper on AWS EKS. Established automated policy-as-code enforcement for compliance validation.

### Model Context Protocol Implementations

Built four MCP server implementations: Kubernetes operations on EKS, IaC security analysis, AWS GuardDuty integration, and Slack automation. Each integrated with security scanning pipelines (Checkov, Semgrep, Gitleaks, Trivy).

### DevSecOps Pipeline

Deployed Node.js application to Amazon EKS with automated security scanning throughout CI/CD pipeline. Provisioned AWS infrastructure using Terraform including GuardDuty threat detection and SIEM integration.

### Observability Stack

Implemented ELK Stack on AWS with Prometheus and Grafana for comprehensive monitoring and alerting.

### DevSecOps Bootcamp, Cyber Agoge

09/2024 – 11/2024 | Remote

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 work.

### Police Constable, Metropolitan Police

02/2022 – 09/2023 | London, UK

Developed systematic approach to complex problem-solving under pressure. Built capability to process information rapidly, make decisions with incomplete data, and communicate clearly across diverse stakeholders in high-stakes situations.

## Certifications

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