

Noah Frost

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

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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

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

Newcastle upon Tyne

- 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