Noah Frost DevSecOps Engineer

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🧠 Skills

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

Containers: Docker, Kubernetes, Helm   **CI/CD:** Jenkins, GitLab CI, GitHub Actions

IaC: Terraform, Ansible   **Languages:** Python, Bash, YAML   **Operating Systems:** Linux

Databases: PostgreSQL, DynamoDB   **Monitoring:** Prometheus, Grafana, ELK Stack

💼 Professional Experience

DevOps Skills Development, Self-Directed Learning   02/2025 — Present | Remote
- Completed 20 hands on projects covering enterprise CI/CD, serverless, and observability
- Built implementations using Jenkins, GitLab CI, Lambda, Kubernetes, Terraform, and ELK Stack
- Configured multi-environment pipelines, serverless architectures, and monitoring solutions
- Full portfolio with documentation and working demos: noahfrost.co.uk ↗

Police Constable, Metropolitan Police   02/2022 — 09/2023 | London, UK
- Held **RV/CTC** security clearance required for sensitive government and infrastructure roles
- Developed analytical and incident response skills directly applicable to DevSecOps

📁 Key Projects

Project 13: CI/CD Tool Evaluation and Migration Project
- Configured parallel CI/CD implementations using Jenkins (3 pipelines) and GitLab CI (3 workflows) for comparison
- Automated infrastructure provisioning with Ansible playbooks across 6 EC2 instances (dev/staging/prod)
- Integrated SonarQube, pytest, and PostgreSQL RDS with automated backups
- Documented migration strategies and tool comparisons for enterprise scenarios

Project 14: Event-Driven Serverless Architecture
- Built 12 AWS Lambda functions handling CRUD operations for e-commerce platform
- Designed Step Functions workflows orchestrating order processing with 15+ state transitions
- Configured API Gateway with 20+ endpoints, DynamoDB tables, and EventBridge rules
- Deployed infrastructure across 3 environments using Terraform modules

Project 15: Centralised Logging and Monitoring Platform
- Deployed 3-node Elasticsearch cluster on Kubernetes with Logstash and Kibana
- Configured Fluentd DaemonSet for log collection with 10+ parsing rules
- Created 15+ Kibana dashboards and visualizations for log analysis
- Implemented index lifecycle management with retention policies and alerting

Full portfolio at noahfrost.co.uk

📑 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