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, JavaScript

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

📂 Key Projects

Enterprise CI/CD Migration Platform
- Migrated legacy **Jenkins** pipelines to **GitLab CI** reducing deployment time from 45 to 12 minutes across **dev/staging/prod** environments
- Automated infrastructure provisioning with **Ansible** playbooks configuring both Jenkins controllers and GitLab runners on **AWS EC2**
- Integrated **SonarQube** code quality gates with **pytest** and **Jest** testing frameworks achieving 80% code coverage requirements
- Implemented **PostgreSQL RDS** backend for GitLab with automated backups and documented cost savings of 70% versus managed solutions

Serverless E-Commerce Platform
- Built multi-tenant **serverless** architecture using **Lambda** functions and **API Gateway** processing 10,000+ daily requests
- Implemented **Step Functions** for order processing workflow integrating payment, inventory, and shipping with **SQS** for async processing
- Deployed **DynamoDB** for product catalog with **Aurora Serverless** for transactional data, achieving 40% cost reduction through auto-scaling
- Created comprehensive **CloudWatch** dashboards with custom metrics for per-tenant cost allocation and performance monitoring

Full Observability Stack
- Deployed **Elasticsearch**, **Logstash**, and **Kibana** on **EKS** processing 1TB+ logs daily with intelligent retention policies
- Configured **Fluentd** DaemonSet for log collection across **Kubernetes** clusters with parsing for nginx, JSON, and CloudTrail formats
- Integrated **Prometheus** metrics with **Grafana** dashboards and correlated with Kibana for unified incident response
- Reduced MTTR from 2 hours to 15 minutes through automated alerting with **ElastAlert**, decreasing false positives by 80%

Full portfolio at noahfrost.co.uk

💼 Professional Experience

DevSecOps Portfolio Development, Self Employed　　　02/2025 — Present | Remote
- Built 20 production-ready DevOps projects including **Jenkins**/**GitLab CI** migration, **serverless** architecture, and full **observability** stack
- Reduced deployment time by 70% through **CI/CD** optimization with **Jenkins**, **GitLab CI**, and **GitHub Actions**
- Deployed applications across **AWS** using **EC2**, **Lambda**, **RDS**, and implemented comprehensive monitoring with **ELK Stack**
- Achieved 100% infrastructure automation using **Terraform** and **Ansible** with AWS **Well-Architected Framework** compliance

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

📜 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