Noah Frost

✉ REDACTED   📞 REDACTED   📍 Newcastle upon Tyne   🔗 noahfrost.co.uk

in https://www.linkedin.com/in/nfroze   ⦿ github.com/nfroze

Skills

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

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

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

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

Key Projects

Multi-Cloud Orchestration
- Deployed infrastructure across AWS, Azure, and GCP using Terraform
- Configured security groups and firewall rules for HTTP and SSH access across all providers
- Implemented Ansible playbooks for consistent configuration management across providers
- Set up Datadog monitoring for centralized observability across all three clouds
- Automated deployment workflows with GitHub Actions for multi-cloud releases

Observability Stack
- Deployed ELK stack on AWS EKS cluster using Helm charts
- Configured Fluentd DaemonSet for log collection across Kubernetes pods
- Implemented Prometheus and Grafana for metrics monitoring
- Set up Logstash pipelines for log processing and enrichment
- Created multi-environment Terraform deployment for EKS infrastructure

3-Tier Serverless Application
- Built React frontend deployed on S3 with CloudFront CDN
- Developed Lambda functions for CRUD operations with API Gateway
- Configured DynamoDB for product catalog storage
- Implemented multi-environment deployment with Terraform
- Created RESTful API with proper error handling and validation

MCP Meets K8s
- Built Model Context Protocol server for Kubernetes operations on AWS EKS
- Implemented ArgoCD GitOps for automated application deployment
- Configured Prometheus and Grafana monitoring stack
- Integrated security scanning with Checkov, Semgrep, Gitleaks, and Trivy
- Deployed via Helm charts with automated synchronization from Git

DevSecOps Pipeline
- Deployed Node.js application to Amazon EKS with automated security scanning
- Integrated Semgrep, npm audit, and Gitleaks into CI/CD pipeline
- Configured Terraform infrastructure with GuardDuty threat detection
- Implemented Splunk SIEM integration for security event monitoring
- Automated container scanning with Trivy before deployment

Full 20 project portfolio at noahfrost.co.uk

Certificates

CompTIA Security+   **AWS Certified Cloud Practitioner**

HashiCorp Certified: Terraform Associate

AWS Certified Solutions Architect — Associate — IN PROGRESS

Professional Experience

Cloud Engineering, Self-Directed Learning   09/2024 — Present | Remote
- Built 20 infrastructure projects across AWS, Azure, and GCP using Terraform and Kubernetes
- Implemented CI/CD pipelines, monitoring stacks, and security controls for containerised applications
- Deployed serverless architectures, GitOps workflows, and multi-environment configurations
- Full portfolio with documentation and working demos: noahfrost.co.uk ⧉

Police Constable, Metropolitan Police   02/2022 — 09/2023 | London, UK
- SC Eligible (held RV/CTC security clearance)
- Produced technical reports requiring precise documentation and evidence correlation

Education

Law (Criminal Justice) LLM, Northumbria University   09/2023 — 2024
Final Term Paused

Criminology BSc (Hons), University of Chester   09/2016 — 09/2020