Noah Frost

Cloud Infrastructure Developer | AWS Certified | 20 Publicly Documented Projects

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

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Personal Statement

Self-directed developer with 8 months intensive cloud infrastructure development and 20 publicly documented projects spanning multi-cloud orchestration (AWS, Azure, GCP), Kubernetes operations, Terraform Infrastructure as Code, CI/CD pipelines, and DevSecOps. Pioneered AI-assisted development workflows to accelerate learning and project delivery. SC eligible (former Police Constable). Positioned in Newcastle upon Tyne for the North East AI Growth Zone expansion (£30B investment, 5,000+ roles by 2028). Technical certifications earned through hands-on experience: AWS Cloud Practitioner, CompTIA Security+, HashiCorp Terraform Associate. Proven track record of consistent project delivery, community engagement (1,500+ LinkedIn network, 500k impressions), and self-directed problem-solving.

Key Projects

Project 20: Multi-Cloud Orchestration
- Deployed infrastructure across AWS, Azure, and GCP using Terraform with Ansible configuration management and Datadog monitoring integration
- Implemented GitHub Actions workflow for automated multi-cloud provisioning and configuration drift detection
- Demonstrated cloud-agnostic infrastructure design principles across three major cloud providers

Project 12: MCP Meets K8s
- Built Model Context Protocol server for Kubernetes operations on AWS EKS with ArgoCD GitOps deployment automation
- Integrated comprehensive security scanning pipeline using Checkov, Semgrep, Gitleaks, and Trivy for infrastructure and application code
- Deployed Prometheus and Grafana monitoring stack for cluster observability and performance metrics

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 for security event monitoring
- Implemented shift-left security practices with automated scanning before production deployment

Project 17: AI Developer Platform
- Architected Internal Developer Platform using Backstage on hybrid AWS EKS/ECS infrastructure with MLflow integration for ML model lifecycle management
- Implemented ArgoCD GitOps workflow with Helm chart deployments for declarative infrastructure and application management
- Provisioned complete platform infrastructure using Terraform including service catalog and automated developer onboarding

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 before deployment
- Established automated policy-as-code enforcement preventing non-compliant infrastructure provisioning

Full 20 project portfolio with screenshots and source code - 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

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

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

Version Control: Git, GitHub   **Methodologies:** Agile, DevOps practices, GitOps

Professional Experience

Cloud Infrastructure Engineering, Independent Practice   09/2024 — Present
Newcastle upon Tyne

- Architected and deployed 20 cloud infrastructure projects spanning multi-cloud orchestration (AWS, Azure, GCP), Kubernetes operations, CI/CD pipelines, DevSecOps, and AI/ML infrastructure, all publicly documented on GitHub
- Earned AWS Cloud Practitioner, CompTIA Security+, and HashiCorp Terraform Associate certifications through hands-on project implementation without traditional exam preparation
- Developed systematic AI-assisted engineering workflow to accelerate project delivery while maintaining strategic control over architecture decisions, design patterns, and problem-solving approach
- Built technical community presence with 1,250+ LinkedIn connections and 500,000+ post impressions, providing daily guidance to engineers at all experience levels on cloud transitions and modern infrastructure practices

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
- Balanced competing stakeholder priorities across the organisation
- Adapted communication approach to build rapport with resistant individuals

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