Noah Frost DevSecOps Engineer

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Profile

CompTIA Security+, AWS CCP, and Terraform Associate certified DevSecOps Engineer who transformed from Police Constable to Cloud Engineer in under 12 months. Built 12+ production-grade systems with zero funding - just £10k of credit card debt and an unstoppable passion. After completing intensive CISO-led bootcamp, impressed leadership enough to be invited back as guest lecturer. Currently contributing to elite DevOps community alongside Google, Microsoft, and Nvidia engineers. Pioneering MCP integration while inspiring dozens of engineers through my documented journey and making waves in the community.

Skills

AWS: EC2, VPC, S3, IAM, EKS, Lambda, GuardDuty, CloudWatch

Kubernetes: EKS, Helm

Security Scanning

CI/CD: GitHub Actions

Containerisation: Docker

Infrastructure as Code: Terraform

GitOps: ArgoCD

Monitoring: Prometheus, Grafana

SIEM: Splunk

Version Control: Git

Compliance: ISO 27001, NIST

Incident Response

Threat Modeling: MITRE ATT&CK, STRIDE

Linux

Professional Experience

DevSecOps Engineer [Bootcamp], *KubeCraft*

07/2025 - Present | Remote

- Active contributor in elite **DevOps** community with 600+ members from **Google**, **Microsoft**, and **Nvidia**
- Share insights from 12+ **production projects** during 3x weekly live coaching sessions
- Mentor members on AWS EKS deployments and DevSecOps best practices
- Recognized by community leaders for exceptional dedication and technical knowledge sharing

DevSecOps Engineer [Self Directed], Self Employed

02/2025 - 07/2025 | Remote

- Built 12+ production-grade systems independently over 6 months with zero mentorship or funding
- Implemented GitOps workflow with ArgoCD on AWS EKS, achieving sub-5 minute deployments
- Deployed **Prometheus** and **Grafana** monitoring stack for full **observability** and alerting
- Built complete **DevSecOps pipeline** integrating **Semgrep** (SAST), **Trivy** (containers), **Gitleaks** (secrets), **OWASP ZAP** (DAST), and **Checkov** (IaC scanning)
- Engineered custom Python Lambda functions streaming GuardDuty events to Splunk SIEM in real-time
- Created AI-powered security tools: MCP for Kubernetes operations, IaC remediation (4hr→30sec), and incident response (362 findings→30sec)
- Achieved 100% Infrastructure as Code with Terraform, all Checkov compliant

DevSecOps Engineer [Bootcamp], Cyber Agoge

09/2024 - 02/2025 | Remote

- Completed intensive 6-month bootcamp led by experienced CISO, focusing on enterprise security practices
- Mastered DevSecOps principles: shift-left security, CI/CD pipeline protection, and Infrastructure as Code
- Conducted threat modeling using STRIDE and MITRE ATT&CK frameworks for enterprise applications
- Built and secured AWS infrastructure implementing GuardDuty, IAM policies, and VPC security

- Performed penetration testing using Burp Suite, Metasploit, and Wireshark
- Impressed program leadership resulting in invitation to return as guest lecturer

Police Constable, *Metropolitan Police*

02/2022 - 09/2023 | London, UK

- Selected as **Deputy Captain** of training cohort, demonstrating exceptional **leadership** and analytical capabilities
- Developed investigation and evidence-gathering skills directly transferable to security incident response
- Mastered detailed documentation for legal proceedings, crucial for security audits and compliance
- Received outstanding reference highlighting "exceptional **critical thinking**" and "strong work ethic"
- **Security clearance** eligible based on previous vetting

Projects

Project 12: MCP Meets K8s

- Pioneered **natural language cluster operations** via **Claude Desktop** ("What's broken?" → instant analysis)
- Built production-grade **DevSecOps platform** with **AWS EKS**, **GitOps** via **ArgoCD**, and full **observability**
- Integrated **Prometheus/Grafana** monitoring with comprehensive **security scanning pipeline**
- Tech stack: Terraform, Kubernetes, ArgoCD, Prometheus, Node.js MCP server

Project 9: GitOps with ArgoCD & Monitoring

- Implemented production-grade **GitOps workflow** achieving sub-5 minute **deployments**
- Deployed Prometheus/Grafana stack for full Kubernetes cluster observability
- Troubleshot complex CRD deployment issues demonstrating real-world debugging skills
- Completed infrastructure deployment in ~1 hour for ~\$1

Project 5: End-to-End DevSecOps Transformation

- Built complete **DevSecOps pipeline** with 100% **Terraform IaC** on **AWS EKS**
- Integrated 5-tool security stack: Semgrep, Trivy, Gitleaks, OWASP ZAP, Checkov
- Engineered Python Lambda functions streaming GuardDuty events to Splunk SIEM
- Achieved sub-5 minute deployments with comprehensive **security validation**

The rest of the projects can be found on my website and GitHub

Education Law (Criminal Justice) LLM, Northumbria University 09/2023 – Present

Final Term Paused

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

O Certificates

CompTIA Security+ ☑ AWS Certified Cloud Practitioner ☑

HashiCorp Certified: Terraform Associate

AWS Certified Solutions Architect - Associate - IN PROGRESS