Noah Frost DevSecOps Engineer

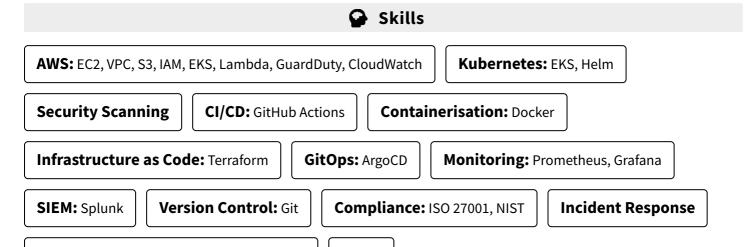✉ Noahfrost@outlook.com 📞 +44 7809191591 📍 Newcastle upon Tyne 🔗 noahfrost.co.uk

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🪪 Profile

DevSecOps Engineer focused on delivering secure, scalable cloud infrastructure. Experienced in AWS, Kubernetes, and GitOps workflows, with expertise in security automation and compliance. Strong background in SIEM integration, container security, and infrastructure as code. Proven ability to streamline deployments and improve operational efficiency through automated security pipelines.

🧠 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
- Contribute to technical community of 600+ engineers from leading technology companies
- Deliver knowledge sharing sessions on **AWS EKS** and **DevSecOps** implementations
- Provide technical mentorship on **cloud security** best practices
- Recognized for **technical expertise** and collaborative contributions

DevSecOps Engineer [Self Directed], *Self Employed*   02/2025 – 07/2025 │ Remote
- Delivered **12+ secure cloud infrastructure** implementations using AWS and Kubernetes
- Implemented **GitOps** workflows with **ArgoCD** achieving **5-minute deployment cycles**
- Deployed comprehensive monitoring using **Prometheus** and **Grafana**
- Integrated automated security scanning: **Semgrep**, **Trivy**, **Gitleaks**, **OWASP ZAP**, **Checkov**
- Developed **Lambda functions** for **GuardDuty** to **Splunk SIEM** integration
- Reduced IaC security remediation time from **4 hours to 30 seconds** through automation
- Automated incident response analysis processing **362 findings in 30 seconds**
- Maintained **100% Infrastructure as Code** compliance using **Terraform**

DevSecOps Engineer [Bootcamp], *Cyber Agoge*   09/2024 – 02/2025 │ Remote
- Completed enterprise security program focused on **DevSecOps** practices
- Implemented **shift-left security** and **CI/CD pipeline** protection strategies
- Conducted **threat modeling** using **STRIDE** and **MITRE ATT&CK** frameworks
- Configured **AWS security services** including **GuardDuty** and **VPC security**
- Performed **vulnerability assessments** using industry-standard tools

Police Constable, *Metropolitan Police*   02/2022 – 09/2023 | London, UK
- Developed **analytical** and **investigative** skills applicable to security operations
- Maintained **documentation standards** aligned with compliance requirements
- Demonstrated **leadership capabilities** in high-pressure environments
- **Security clearance** eligible

📁 Projects

Project 12: MCP Meets K8s
- Implemented natural language interface for cluster operations reducing troubleshooting time by **95%**
- Deployed production **DevSecOps platform** on **AWS EKS** with **GitOps** and monitoring
- Integrated comprehensive **security scanning** with automated remediation workflows
- Stack: **Terraform**, **Kubernetes**, **ArgoCD**, **Prometheus**, **Grafana**

Project 9: GitOps with ArgoCD & Monitoring
- Deployed production **GitOps workflow** achieving **sub-5 minute deployments**
- Implemented full **observability stack** with **Prometheus** and **Grafana**
- Resolved complex **Kubernetes CRD** deployment challenges
- Reduced deployment time from **2 weeks to 1 hour** through automation

Project 5: End-to-End DevSecOps Transformation
- Built secure **CI/CD pipeline** with integrated security scanning across SDLC
- Automated security tool integration: **Semgrep**, **Trivy**, **Gitleaks**, **OWASP ZAP**, **Checkov**
- Developed **Lambda functions** for real-time security event streaming to **Splunk**
- Achieved **100% automation** of security validation in deployment pipeline

Additional projects available at noahfrost.co.uk

🎓 Education

Law (Criminal Justice) LLM, *Northumbria University*   09/2023 – Present
Final Term Paused

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

🗝 Certificates

CompTIA Security+ ↗   **AWS Certified Cloud Practitioner** ↗

HashiCorp Certified: Terraform Associate

AWS Certified Solutions Architect – Associate — IN PROGRESS