

DevSecOps Engineer Portfolio

About Me

I am a **DevSecOps Engineer** with **5 years of experience** specializing in cloud security, infrastructure automation, and CI/CD pipeline development. I have a strong background in **cloud computing, system administration, security compliance, and automation**, with hands-on expertise in **AWS, Azure, GCP, and DevOps toolchains**. My work revolves around securing cloud environments, automating deployments, and optimizing infrastructure for performance and resilience.

I hold a **Master's degree in Cyber Security** from **Nottingham Trent University**, where I conducted a remarkable project on **OS hardening automation through a CI/CD pipeline**. Passionate about securing cloud-native applications and enhancing DevOps security practices.

Skills & Expertise

Cloud Computing & Networking

- AWS, Microsoft Azure, GCP, Oracle Cloud
- Load Balancing (ALB, ELB), Internet Routing, VPC, Lambda, ECS, RDS, EC2, VPN
- OpenSearch, IAM, Route53, CloudWatch, S3, and other cloud services

System Administration & Databases

- Linux Administration (Ubuntu, CentOS, RHEL)
- MySQL (RDS), Redis, RabbitMQ, Celery (Distributed Task Queue), SQS
- Log Management: Elasticsearch, Kibana, Logstash

DevSecOps & CI/CD Pipelines

- Jenkins, SonarQube, Docker, Git, Jira
- AWS CLI, Azure CLI, Terraform, Ansible, Groovy Scripting

Infrastructure Automation & Scripting

- Bash, Groovy, Terraform, Python
- Automation of Server & Database Migration, Backup, and Relaunch Management

Site Reliability & Log Monitoring

- Graylog, Nagios, Zabbix, AWS CloudWatch

Security & Compliance

- PCI DSS, SOC-2 & ISO 27001 Compliance
- Server Hardening & Patching Automation (Kaspersky, Wazuh, Trend Micro, Saner Now)
- Cloud Asset Management & Threat Detection

Programming & Development

- Python (Flask, Django), Bash, ReactJS, PHP, MySQL
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Professional Experience

DevOps & InfoSec Engineer

Itilite Technologies Pvt Ltd | Bengaluru | 2019 - 2023

- Designed and implemented **secure CI/CD pipelines** integrating **Jenkins, Terraform, Ansible, and AWS CLI**.
- Automated **infrastructure deployment** using **Terraform and Ansible**, improving deployment speed by **50%**.
- Enhanced **cloud security posture** by implementing **IAM best practices, VPC security controls, and log monitoring**.
- Managed and monitored cloud environments with **CloudWatch, Zabbix, and Nagios**.
- Led **server hardening automation** for compliance with **PCI DSS, SOC-2, and ISO27001**.
- Developed **Python and Bash scripts** for automated **security patching, log analysis, and threat detection**.
- Implemented **container security best practices** for **Dockerized applications** in Kubernetes clusters.

Cloud & Security Engineer - Freelancer

Freelancing | India | 2023 - 2024

- Architected cloud-based **secure microservices** with **AWS ECS, RDS, and Lambda**.
- Projects worked - <https://way19.in/>, Azure Cloud computing and GCP cloud infrastructure.

- Deployed **SIEM solutions** for security event monitoring and anomaly detection.
 - Created automated security compliance checks in **CI/CD pipelines**.
 - Developed backup and disaster recovery automation scripts for cloud workloads.
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Projects

OS Hardening Automation through CI/CD Pipeline (*MSc Cyber Security Project*)

- Developed an **automated OS hardening solution** integrated into a **CI/CD pipeline**.
- Implemented security benchmarks using **Ansible, Terraform, and Wazuh**.
- Reduced manual configuration effort by **80%** while ensuring compliance with security standards.

Automated Cloud Infrastructure Security & Compliance Auditing

- Designed and implemented a **Terraform and Python-based solution** to audit AWS cloud infrastructure.
- Integrated with **AWS Security Hub, IAM Analyzer, and GuardDuty** to generate compliance reports.
- Enabled security teams to proactively address **misconfigurations and policy violations**.

Log Monitoring & Alerting System for Cloud Workloads

- Built a **centralized logging system** using **Elasticsearch, Kibana, and Logstash (ELK Stack)**.
 - Integrated **AWS CloudWatch, Graylog, and Nagios** for real-time security event monitoring.
 - Reduced security incident response time by **40%**.
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Certifications & Education

Master's in Cyber Security

Nottingham Trent University | *Graduated: 2025*

- Specialized in **Cloud Security & DevSecOps Practices**.
- Conducted a research project on **OS hardening automation via CI/CD pipelines**.

Relevant Certifications:

- **AWS Certified Security – Specialty**
 - **Microsoft Certified: Azure Security Engineer Associate**
 - **Advanced Certificate Programme in Cybersecurity**
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Contact

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Want to Work Together?

I am always excited about new challenges in **DevSecOps, cloud security, and automation**.
Feel free to reach out for collaboration, consulting, or discussing innovative ideas!