

GEORGE OKELLO

DevSecOps Engineer | Cloud Security | Backend Automation

Mombasa County, Kenya | 0790987845 | okoth603@gmail.com

LinkedIn: [linkedin.com/in/george-o-a76513136](https://www.linkedin.com/in/george-o-a76513136)

Professional Summary

Dynamic DevSecOps Engineer with over 3 years of experience in designing, building, securing, and deploying scalable cloud-native applications. Skilled in integrating security throughout the software development lifecycle, automating CI/CD pipelines, and improving system resilience and compliance. Adept at cloud automation (AWS, Azure), infrastructure as code (Terraform, Ansible), and proactive vulnerability management. Passionate about bridging development, security, and operations to deliver secure, high-performing, and maintainable systems.

Core Competencies

- DevSecOps Automation (CI/CD, SAST, DAST, IaC)
- Secure SDLC Implementation
- Cloud Security (AWS, Azure, GCP)
- Infrastructure as Code (Terraform, Ansible)
- Docker & Kubernetes Orchestration
- Vulnerability Scanning & Patch Management
- Security Monitoring & Incident Response
- Python, Java, C#, JavaScript
- GitHub Actions, Jenkins, GitLab CI
- Compliance (ISO 27001, GDPR, NIST)

Professional Experience

International Centre for Reproductive Health - Kenya (ICRHK)

Health Information Management Technician / DevSecOps Engineer | Oct 2024 – Present | Mombasa

- Designed and implemented secure CI/CD pipelines integrating SonarQube and OWASP ZAP.
- Automated reporting and deployment pipelines, reducing manual workloads by 10+ hours weekly.
- Collaborated with cybersecurity teams for vulnerability scanning and patch management.
- Enhanced monitoring and observability using Prometheus and ELK Stack.
- Ensured compliance with data protection policies and system uptime targets.

Aga Khan Hospital, Mombasa

Software Developer (Backend & Security Engineering) | Oct 2023 – Oct 2024

- Built secure RESTful APIs improving billing efficiency by 25%.
- Optimized SQL queries and implemented data encryption.
- Automated deployments in Azure DevOps using Docker containers.

Education

Bachelor of Science in Information Technology

Technical University of Mombasa (2016 – 2021)

Certifications

- Linux Enterprise Professional (LPIC-3)
- Monitoring & Evaluation – University of Washington
- Ajira Digital Training Program – ICT Authority
- Get Connected – Cisco Networking Academy
- Certified Financial Risk Manager (FRM)
- (Pursuing: AWS Certified Security – Specialty | CISM)

Projects

- Automated Secure Deployment Pipeline: Jenkins CI/CD integrating code scanning and IaC validation.
- Cloud Infrastructure Hardening: Automated compliance enforcement with Terraform and AWS Config.
- Monitoring Dashboard: ELK Stack for system health and incident tracking.

Technical Stack

Languages: Python, Java, JavaScript, C#, SQL

Tools: Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, Ansible, SonarQube, OWASP ZAP

Databases: MySQL, PostgreSQL, SQL Server, Oracle

Cloud: AWS, Azure

Monitoring: Prometheus, Grafana, ELK Stack

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Dear Hiring Manager,

I am writing to express my interest in the DevSecOps Engineer opportunities within your organization. With over three years of experience in software development, DevOps automation, and cloud security, I have developed a strong foundation for integrating security into every stage of the software development lifecycle.

Throughout my career, I have designed and implemented secure CI/CD pipelines, automated testing and deployment workflows, and collaborated closely with cybersecurity teams to ensure compliance with frameworks such as ISO 27001 and NIST. My hands-on experience with AWS, Azure, Docker, Kubernetes, Terraform, Jenkins, and GitHub Actions enables me to create scalable and secure automation systems that align with modern DevSecOps practices.

Beyond my technical expertise, I am passionate about building a culture of continuous security improvement and cross-team collaboration. I take pride in delivering robust, secure, and high-performing systems while mentoring teams to embrace automation, monitoring, and proactive threat detection.

I am confident that my blend of development, operations, and security expertise will allow me to contribute effectively to your organization's mission. I welcome the opportunity to discuss how I can help strengthen your development and security processes.

Thank you for considering my application.

Sincerely,

George Okello