

GABRIEL OKOM

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[Portfolio Website](#)

SUMMARY

I am a Senior DevOps Engineer with a growth mindset and a passion for continuous improvement, I excel in aligning technology solutions with business objectives to deliver reliable and scalable applications. With my proven ability to implement robust security practices, I can help ensure a secure and efficient application deployment environment.

SKILLS

- **Versioning Tools** - GIT
- **CICD** - Jenkins, Azure DevOps, GitActions
- **Ticket Tracking Tool** - JIRA
- **Containerization Tool** - Docker, Kubernetes
- **Operating System** - Windows, Centos, Ubuntu
- **Sec:** ArgoCD, Trivy, SonarQube, Nexus
- **Cloud:** AWS, Azure
- **Scripting Language** - YAML, Bash, and Python
- **Web server** - Apache Tomcat
- **Database** - MySQL
- **Monitoring Tool** - ELK, Prometheus, Grafana
- **IaC** - Terraform, Helm
- **Config** - Ansible

EXPERIENCE

11/2022 to
Current

DevOps Engineer
Green Culture Media and Tech Ltd

- Architected and deployed NGINX Ingress Controllers for Kubernetes environments, optimizing load balancing and traffic management, and achieving a 99.99% uptime for critical applications.
- Created and maintained 20+ Ansible playbooks and roles, reducing deployment time by 30% and enhancing environment consistency
- Implemented Prometheus and Grafana for comprehensive monitoring, enabling proactive issue detection and 99.9% uptime
- Configured CICD pipelines with Jenkins to automate build processes and ensuring software security
- Orchestrated a shift to infrastructure as code with Terraform, leading to a 50% reduction in deployment errors and improved reusability across environments.
- Setup Ansible workstation, client and wrote YAML scripts to deploy software updates and upgrades
- Deployed Azure Kubernetes Services and ensured high availability, scalability, and fault tolerance
- Integrated Cloudflare for CDN, security, and performance optimization, leading to a reduction in latency and improvement in global content delivery speeds.

03/2021 to
12/2023

DevOps Engineer
Sterling Oil and Energy Production Ltd

- Helped to streamline deployment workflows by implementing automated CICD pipelines.
- Acted as SRE engineer by integrating monitoring and alerting tools reducing downtime.
- Created automated shell scripts to streamline tasks, reducing manual workload by 40%.
- Implemented unit tests in CICD pipelines to enhance code reliability, supporting error free SDLC.
- Designed backup strategies and disaster recovery reducing manual intervention for cloud resources
- Pioneered the adoption of Kubernetes, scaling up from initial deployment to managing clusters with 100+ nodes, boosting application deployment speed by 70%.
- Managed domain registration, DNS configuration, and SSL/TLS certificates for high-traffic applications.
- Led the transition to IaC with Terraform and Ansible, automating complex multi-cloud environment provisioning and reducing manual configuration errors by 70%.
- Successfully orchestrated the migration of a critical applications from on-premise infrastructure to Azure cloud services

08/2020 to
09/2021

DevOps Engineer
Bluegate Hospitals

- Implemented DevSecOps approach to pipeline deployments reducing security vulnerabilities in prod.
- Conducted thorough testing and debugging to ensure high-quality code and application performance.
- Developed automated python scripts that helped ensure continuous compliance and app security
- Analyzed and helped to optimize AWS cloud resource usage reducing cost by 30%
- Played a key role in a major migration project to AWS, facilitating seamless transition of legacy systems with zero downtime.
- Developed disaster recovery strategies for critical app functions and established automated backup solutions and failover mechanisms

- 09/2021 to 09/2022 **Cyber Security Analyst**
University of Greenwich
- Mitigated DDoS attacks by implementing advanced firewall rules and traffic analysis, resulting in a 40% reduction in downtime during peak attack periods.
 - Created Azure users and groups, implemented MFA to enhance security, and managed access control.
 - Managed, maintained incident records, led thorough documentation and analysis of security events
 - Regular monitoring and logging in Grafana to identify, proactively addressed potential security issues
 - Performed Internal IT Audit and Risk Analysis using ISO frameworks, NIST and COBIT
 - Implemented and managed NSGs to control inbound/outbound traffic to institution wide VNets.
 - Configured and maintained Azure Security Center, Azure Firewall, Azure VPN, and Azure Key Vault.
- 01/2015 to 08/2020 **Senior IT Support Engineer**
Goodmasters
- Conducted root cause analyses to improve preventative measures and reduce incident recurrence.
 - Administered and maintained network infrastructure, including switches, routers, and firewalls.
 - Managed User accounts, permissions, and group policies to ensure security and access control.
 - Provided first and second-line technical support, resolving hardware, software, and network issues.
 - Provided technical support within SLA, consistently resolving customer issues promptly
 - Demonstrated strong problem-solving skills and technical expertise, contributing to a 95% first-call resolution rate and enhancing overall customer satisfaction

PROJECTS

- Full-stack Blog App Deployment on AWS using Jenkins as CICD, Terraform as IaC, SonarQube and GitOps with monitoring tools. [GitHub Link](#)
Tools used: GIT, GitOps, Jenkins, Nexus, Docker, AWS EKS, Terraform, Prometheus & Grafana etc.
Result: Fully functional, scalable and efficient App deployed on AWS
- Microservice Vote App with ArgoCD and Azure DevOps as CICD Pipeline. [GitHub Link](#)
Tools used: GIT, Bash, Azure Devops, Kubernetes, ArgoCD, Docker, etc.
Result: Fully functional, scalable and efficient App deployed on Azure
- Deployed a Python App with /Healthcheck Endpoint [GitHub Link](#) | [Blog Link](#)
Tools used: Docker, ECR, Kubernetes, Trivy, SonarQube, Pytest, Bandit, Flake8, Terraform, and GitActions
Result: Fully functional, scalable and efficient App that outputs its **last_commit_sha** in Json format for versioning security and integrity.

CERTIFICATIONS

- GitHub Foundations Certification
- GitHub Actions Certification
- Microsoft Certified Azure DevOps Expert AZ-400
- Microsoft Certified Azure Administrator AZ-104
- Microsoft Certified Developer Associate AZ-204
- Microsoft Certified Security Operation Analyst SC-200
- Google Certified IT Support
- AWS Solution Architect (In view)

EDUCATION

- 09/2022 **Master of Science: Cyber Security**
University of Greenwich
- 02/2014 **Bachelor of Science: Technology Education**
Delta State University