

Samuel Okorie

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Skills

Containerization: Kubernetes, Docker, Helm, Prometheus, Grafana, Rancher, HashiCorp Vault

CI/CD: Jenkins, ArgoCD, Flux, GitLab CI, GitHub Actions

Infrastructure as Code: Terraform, Ansible

Cloud Platforms: AWS (EC2, S3, RDS, ELB, EKS, Auto Scaling, IAM, VPC, Route53, Lambda, CloudWatch), DigitalOcean

Experience

DevOps, ActZero – Remote

Mar 2022 - Present

- Developed a Python-based Log Generator to automate Stellar XDR log conversion from Syslog to JSON, enhancing MDR in customer environments.
- Deployed web app to multiple Kubernetes clusters using ArgoCD with Hashicorp Vault for secret management.
- Optimized resource allocation with Kubernetes auto-scaling, cutting infrastructure costs during low demand.
- Simplified developer feedback by designing CI/CD pipelines for Microservices, integrating tools like Maven, Bitbucket, SonarQube, Nexus, Docker, and Slack.
- Led the migration of legacy applications to Microsoft Azure App Service via Azure DevOps CI/CD pipelines.

Cloud Support Engineer/IT Analyst, IntelliGO Networks – Toronto, CA

Jan 2019 - Feb 2022

- Improved visibility and incident response times by implementing ELK Stack and Grafana for logging and monitoring.
- Optimized cloud orchestration and automation with Terraform and Ansible for AWS/GCP resources, including EKS, VPC, EC2, and Route53.
- Integrated Jira with GitHub for progress tracking, automated security monitoring with Nexus IQ, and ensured code quality via SonarQube, using Jenkins.
- Automated Linux server deployments for firewall log collection using Terraform and configured network scanning VMs with Ansible.
- Reduced machine downtime tickets by 15% with Prometheus and Grafana uptime monitoring, managed vulnerabilities with Tenable.sc, and improved threat detection using AI-powered CrowdStrike and Stellar Cyber XDR.

System Administrator, Andela – Abuja, Nigeria

Sept 2014 - Nov 2018

- Deployed and managed Google Workspace sandbox environments for development teams, optimizing training modules and enhancing hands-on learning experiences.

IT Technical Support, Nigerian Stock Exchange – Lagos, Nigeria

Oct 2011 - Aug 2014

- Analyzed and resolved diverse customer issues using advanced tools, and generated reports on support metrics.

Personal Development

In the homestead I have set up my own personal "home lab", I use these systems to learn about new technologies and practice new skills. This non-production setup allows me the freedom to configure, test, and troubleshoot various systems and tools, enabling continuous self-improvement and hands-on learning in my downtime. It serves as a dynamic sandbox for exploring advanced configurations, automation, and infrastructure management.

Homelab Environment

grapp.sandboxlab.top

- Deployed a Kubernetes cluster on Talos Linux, using Flux for GitOps, integrated with GitHub as the Git provider and sops for secret management. Configured DNS and SSL via Cloudflare, with secure external access enabled through a Cloudflare Tunnel.
- Implemented Cert-manager and Ingress-Nginx controller for automated SSL certificates and efficient routing of applications within the cluster.

Education

Linux Foundation – Kubernetes Certified Administrator

August 2024

Amazon Web Services – Solutions Architect

August 2023

Cambrian College of Science – Business Analytics

June 2022

University of Port-Harcourt – Bachelor of Science in Computer Science

May 2010