Samuel Okorie

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Skills

Containerization: Kubernetes, Docker Containers, Docker Compose, Helm, Rancher, HashiCorp Vault
CI/CD: Jenkins, ArgoCD, Flux, GitLab CI, GitHub Actions
Scripting language: Python, Bash, YAML, Groovy
Infrastructure as Code: Terraform, Ansible
Cloud Platforms: AWS (EC2, S3, RDS, ELB, EKS, Auto Scaling, IAM, VPC, Route53, Lambda, CloudWatch), DigitalOcean

Experience

DevOps Engineer, ActZero – Remote   Mar 2022 - Present
- Designed monitoring and alerting to track environment health and increase system observability, enabling engineers to identify and resolve issues 40% faster.
- Reduced deployment times from 1 hour to 7 minutes by designing and building CI/CD pipelines for development and staging environments, using Gitlab CI/CD.
- Automated the deployment of local developer environments by implementing Docker Compose, cutting setup time from one day to 5 minutes.
- Optimized resource allocation with Kubernetes auto-scaling using HPA, cutting infrastructure costs by 25% during low demand.
- 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
- Designed and implemented Python scripts for automating system backups and data recovery processes, reducing data loss risks and recovery times by 30%.
- Developed Python-based Log Generator to automate Stellar XDR log conversion from Syslog to JSON, enhancing MDR in customer environments.
- Automated Linux server deployments for firewall log collection using Terraform and configured network scanning virtual machines 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
- Hardened devices and systems through least-privilege account assignments, disabling unused services, enforcing encryption, and implementing robust password policies.

IT Technical Support, Nigerian Stock Exchange – Lagos, Nigeria   Oct 2011 - Aug 2014
- Enhanced the efficiency of the project team by 22% by preconfiguring Windows servers, Cisco switches, and Active Directory, optimizing setup and deployment processes.

Professional Development

Homelab
- **Goal**: Deepen hands-on experience in virtualization, containerization, Identity & Access Management, and self-hosting open-source applications, with a commitment to contributing to the technical community.
- **2-Node PVE Cluster**: Running Kubernetes, Docker, DHCP, DNS, and NAS, with reverse proxy for seamless service access.
- **Future Goals**: Pursue network traffic interception and ethical hacking to expand technical boundaries and enhance network security knowledge.

Education

Linux Foundation – Kubernetes Certified Administrator   August 2024
AWS – Solutions Architect   August 2023
Cambrian College of Science – Business Analytics   June 2022
University of Port-Harcourt – Bachelor of Science in Computer Science   May 2010