DANIEL KOJO MEGBENU

Cloud|DevOps Engineer
(No Sponsorship Required)

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SUMMARY

Cloud Engineer with over 5+ years of hands-on experience architecting, automating, and securing **enterprise-grade infrastructure** across **hybrid and cloud-native environments**. Adept in **Kubernetes and Linux systems**, with deep expertise in **CI/CD pipeline design** using **Jenkins, and GitOps** practices. Proven ability to deliver **scalable, resilient, and compliant DevOps solutions** in **high-stakes industries**, consistently ensuring **high availability and security** in production systems.

Expert in **Infrastructure as Code (IaC)** using **Terraform, Ansible, and CloudFormation** across **AWS and on-premise environments**. Demonstrated proficiency in **DevSecOps integration**, embedding tools like **SonarQube** into automated pipelines to maintain **continuous security and compliance** with regulatory standards like **HIPAA, SOC 2, and CIS benchmarks**. Highly skilled in managing, troubleshooting, and deploying **containerized workloads** using **Docker**, and optimizing **Kubernetes components** such as **CRDs, stateful sets, config maps, and secrets**.

Possesses **scripting capabilities in Bash, Shell, and Python** to streamline **automation and monitoring tasks**, including **log parsing and configuration validation**. Hands-on with **observability frameworks**, including Prometheus and Grafana, to maintain **system health and visibility**. Also experienced in supporting **enterprise financial platforms,** designing models, resolving production issues, and collaborating with **cross-functional teams**. **Excellent communicator and team mentor** with a strong track record of **bridging gaps between development, operations, and security teams** to drive **DevOps maturity** across the organization.

EDUCATION

MSc Cloud Computing | University of Fairfax, Salem, Virginia — **Expected: April, 2027**

MSc Accounting and Finance | Kwame Nkrumah University of Science and Technology — **March, 2023**

Bsc Business Administration | Regentropfen college of Applied Sciences — **July, 2020**

Diploma in Business Studies | Ho Technical University — **May, 2012**

SKILLS

Cloud & Platform Expertise: AWS (EC2, S3, Lambda, IAM, VPC, ELB, RDS), , Kubernetes, Amazon ECS, Linux (RHEL, CentOS, Ubuntu)
DevSecOps & CI/CD Pipelines: Jenkins, AWS Pipelines, GitLab CI/CD, ArgoCD, SonarQube, Snyk, AWS Inspector, Git.
Infrastructure as Code (IaC): Terraform, Ansible, AWS CloudFormation
Containerization & Orchestration: Docker, Kubernetes, AKS, Amazon ECS, Helm, ArgoCD
Security & Compliance: IAM, AWS KMS, Secrets Manager, CIS Benchmarks, SOC 2, HIPAA, SSL, TCP/IP, LDAP, Firewalls
Monitoring, Logging & Observability: Prometheus, Grafana, AWS CloudWatch,
Scripting & Automation: Bash, Shell, Python
Collaboration & Documentation: Jira, Confluence, GitHub, ServiceNow, Slack, Microsoft Teams
Integration & Middleware: API Integration (SOAP/REST)
Documentation & Agile: Lucid, Data Flow Diagrams, Business Architecture Diagrams, Agile Scrum, Sprint Planning, UAT

CERTIFICATIONS

AWS Certified Solutions Architect Associate	Amazon Web Services
AI Empowered Leader	Enterprise Technology Association
Terraform Associate (HashiCorp Certified: Terraform Associate)	In Progress
Certified Kubernetes Administrator (CKA) – or – Docker Certified Associate (DCA)	In Progress

EXPERIENCE

Cloud/DevOps Engineer| *Data Service Group – Bear, Delaware (Remote)* August 2024 – Present

- Created and maintained comprehensive **documentation** of system configurations, standard operating procedures, and technical workflows.
- **Optimized the integration of advanced DevSecOps tools** including **SonarQube, Snyk and AWS Inspector** into GitHub Actions pipelines, enabling real-time vulnerability scanning, automated policy enforcement, and a **30%+ reduction in code security issues** across multiple language stacks (Java, .NET, Python).
- **Designed and implemented scalable CI/CD pipelines** using AWS DevOps, Jenkins, and GitLab CI/CD to automate build, test, artifact management, and deployment of microservices containerized with Docker and orchestrated via Kubernetes. Resulted in a **70% reduction in manual deployment effort** and **40–50% faster delivery cycles**.
- **Engineered highly resilient cloud infrastructure using Terraform and Ansible**, automating the provisioning of compute, networking, and storage across hybrid environments on **AWS**, while achieving seamless cross-platform consistency and environment parity.
- **Optimized** and supported **AWS infrastructure services EC2, API Gateway, S3, ECS, EKS, Fargate, Lambda, WAF, Route53 and CloudTrail.** Used auto-scaling groups, cost tagging, and budget monitoring tools—achieving a **30% reduction in cloud spend** without impacting application availability or SLA compliance.
- **Built centralized monitoring and observability solutions using** Logstash, Kibana —along with **AWS CloudWatch and Datadog**—to maintain **99.99% uptime**, reduce incident detection time, and accelerate root cause analysis by **45%**.
- **Developed advanced automation frameworks using Bash and Python**, supporting container lifecycle management, log parsing, SSL certificate rotation, and compliance validation—reducing operations overhead and minimizing configuration drift.
- **Established secure containerization and orchestration strategies** using Docker, Helm. Architected reusable Dockerfiles while managing container image repositories in and Docker Hub to standardize deployments and improve image hygiene.
- **Collaborated closely with cybersecurity teams** to enforce **CIS benchmark compliance**, implement RBAC for Kubernetes and containerized applications, and harden systems via firewall policies, IAM roles, and vulnerability remediation pipelines.
- **Collaborated in cloud-native application modernization efforts**, containerizing legacy services into Docker and deploying to OpenShift/Kubernetes environments, while streamlining development workflows through GitOps practices using GitLab, GitHub.
- **Performed troubleshooting and root cause analysis**.

DevOps/Cloud Engineer | *Stunnerz Global Limited – London, UK* July 2022 – July 2024

- **Redesigned and automated legacy CI/CD pipelines using Jenkins**, delivering continuous integration and deployment support for **.NET Core, Java, and Node.js microservices** integrated with middleware platforms like **Tomcat, and NGINX**, significantly improving deployment velocity and reducing manual errors.
- **Collaborated in the upgrade from Red Hat Enterprise Linux (RHEL) 7 to RHEL 8**, orchestrated via **Chef and Ansible**, achieving **zero-downtime migrations** and full compliance with vendor support policies, enhancing system stability and security.

- **Executed a seamless migration of Elasticsearch clusters to OpenSearch**, configuring **Kibana dashboards** across all environments in AWS. Ensured **zero application downtime** and improved observability for real-time data exploration and log analytics.
- **Implemented a secure, production-grade ingress architecture using NGINX** in OpenShift environments, ensuring end-to-end encrypted data transmission and minimizing the external attack surface of internal microservices.
- **Provided technical mentorship and guidance to junior administrators and support staff.**
- **Provisioned and optimized scalable AWS infrastructure** using Terraform and CloudFormation, deploying **Elastic Load Balancers, Auto Scaling Groups, and EKS clusters**, while integrating **CloudWatch, Datadog, and ELK** for complete system observability and actionable insights.
- **Configured secure networking solutions** by deploying **Squid proxy** servers in AWS private subnets, enabling controlled outbound traffic, facilitating secure package access, and supporting high-availability application deployments.
- **Mentored junior DevOps engineers**, standardizing version control strategies, Git workflows, and DevOps documentation practices through **Confluence, and Jira**, fostering knowledge sharing and increasing team maturity across delivery pipelines.

Linux Systems Administrator | *Ghana Revenue Authority – Ghana* **July 2015 – June 2022**

- **Administered and secured over 100+ enterprise Linux servers** (Red Hat, CentOS, Ubuntu) supporting mission-critical tax and revenue platforms, ensuring **24/7 availability, high integrity**, and rapid recovery during outages.
- **Automated routine system maintenance tasks** including patch management, log rotation, backup scheduling, and monitoring agent deployment using **Bash and Python**, reducing manual workloads by **50%+** and improving operational efficiency.
- **Implemented robust system monitoring using Nagios and custom scripts**, enabling real-time performance checks and proactive health diagnostics that **reduced unplanned server downtime by 40%**.
- **Deployed and managed Apache, NGINX, and MySQL server environments**, configured SSL/TLS, and enforced **SELinux policies** and firewall rules to ensure secure, compliant system configurations across all environments.
- Managed patching and maintenance activities to maintain the security and stability of middleware and application servers.
- **Collaborated with development and DBA teams** to troubleshoot OS, middleware, and application-layer issues, streamline deployments, and **optimize performance** across staging and production environments.
- **Maintained Git-based version control for configuration files and system scripts**, and supported package management (YUM/APT) and documentation to ensure consistency across infrastructure changes.
- **Contributed to cross-functional incident response and system documentation**, improving team knowledge sharing, onboarding efficiency, and maintaining high-quality infrastructure governance.
- Participated in incident calls and on-call rotations.