

Kenneth Nwankwo

DEVOPS ENGINEER

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Abuja, FCT

DevOps Engineer with over 5 years of experience architecting, automating, and optimizing cloud infrastructure and CI/CD pipelines. Certified AWS Solutions Architect – Associate and Azure DevOps Engineer, with deep expertise in container orchestration, multi-cloud deployments, and infrastructure as code. Proven track record of delivering scalable, highly available, and secure solutions in multi-cloud environments. Adept at leading cross-functional teams, mentoring engineers, and driving continuous improvements in software delivery, system reliability, and security.

SKILLS

- Cloud Platforms: AWS (EC2, RDS, S3, Lambda, API Gateway, Route53)
- Azure
- GCP
- CI/CD & Automation: Jenkins
- GitHub Actions
- GitLab CI/CD
- Ansible
- Terraform
- Data Dog
- ArgoCD
- CloudFormation
- Puppet
- Foreman
- Containerization & Orchestration: Docker
- Kubernetes (RKE2)
- KubeVirt
- Infrastructure Management: PXE provisioning
- Certificate automation
- Disaster Recovery
- Monitoring & Logging: Prometheus
- Grafana
- ELK Stack
- NewRelic
- Scripting: Python
- Bash
- Shell
- Security: OAuth2
- JWT
- HashiCorp Vault
- Identity & Access Management
- OS & Systems: Linux & Windows system administration
- Databases: PostgreSQL
- MongoDB
- MySQL
- Soft Skills: Leadership
- Mentorship
- Strategic Problem Solving
- Collaboration

EXPERIENCE

DEVOPS ENGINEER (CONTRACT)

May 2025 - Present

AspaceLife Technology

- Spearheading a strategic cloud migration of 30+ microservices from a traditional hosting environment to a scalable and resilient AWS architecture and GKE in GCP.

- Architecting and deploying the entire cloud infrastructure using Terraform (IaC) — managing VPCs, subnets, API Gateways, load balancers, and ECS clusters for reproducibility and version control.
- Leading containerization and orchestration efforts by migrating all services to AWS Elastic Container Service (ECS) and guiding backend teams in refactoring for a cloud-native environment.
- Engineering a robust CI/CD pipeline using GitHub Actions and Gitlab with self-hosted runners, incorporating DevSecOps practices such as automated vulnerability and compliance scanning.
- Designing and deploying high-availability, auto-scaling clusters for critical stateful services — including Apache Solr, Neo4j, Apache Kafka, and ScyllaDB — to ensure performance and reliability.
- Optimizing web performance and global content delivery by migrating static sites to Amazon S3 + CloudFront, managed through Route 53 for DNS and SSL.
- Establishing and integrating corporate infrastructure tools — including AWS WorkMail, Jira, and Slack — to enhance collaboration, workflow automation, and onboarding efficiency.
- Migrated an entire infrastructure from Contabo to GCP, provisioning GKE with Terraform, also nood pools, subnets, jumpbox and creating a secured and cost optimized solution.

DEVOPS ENGINEER (FREELANCE)

February 2025 – October 2025

Reboot Monkey

- Reduced server deployment time by 85% using automated PXE provisioning for 50+ Dell servers.
- Migrated infrastructure from Docker to Kubernetes + KubeVirt, improving resource utilization by 60%.
- Maintained 99.9% uptime and enhanced observability with Prometheus and Grafana.
- Streamlined SSL certificate provisioning using external DNS and Certbot automation.
- New Achievements: Deployed a full AI agent environment with end-to-end task automation, eliminating repetitive manual processes and increasing operational efficiency by 30%.
- Scripted multi-instance NetBox deployments on a Kubernetes cluster (with cert-manager integration), enabling clients to spin up isolated environments with unique subdomains and cutting provisioning time by 80%.
- Deployed and configured a distributed Ceph storage cluster supporting multi-terabyte data volumes, delivering highly available storage and improving data throughput by 50%.
- Implemented a GitOps deployment strategy with ArgoCD, automating environment synchronization and eliminating configuration drift, reducing deployment errors by 90%.
- Optimized deployment processes for SEO impact, improving website crawlability and page load speeds by 25%, resulting in a 15% increase in organic traffic.
- Integrated Keycloak SSO with n8n to centralize user authentication for automation workflows, eliminating manual credential management and enhancing login security for all users.
- Integrated static (SAST) and dynamic (DAST) application security testing into CI/CD pipelines, catching vulnerabilities early (preventing 5+ critical issues from reaching production each release cycle) and improving overall application security.
- Implemented a real-time container security monitoring stack using Falco, Falcosidekick, web UI, and Loki with Slack integration, enabling immediate threat detection and cutting incident response time by 40%.
- Established SLI/SLO dashboards to track service performance and reliability, allowing proactive improvements that reduced downtime by 20% and ensured uptime targets (99.9%+) were consistently met.

LEAD DEVOPS ENGINEER & CTO PROJECT LEAD (CONTRACT)

November 2024 – October 2025

Easyspend.cc

- Reduced CI/CD cycle time by 70% for mobile and web applications.
- Deployed secure cloud environments, ensuring disaster recovery readiness and security compliance.
- Led architecture planning and strategic project execution for scalable infrastructure.

DEVOPS ENGINEER

February 2024 – May 2025

Aitech

- Improved deployment consistency by 50% by implementing CI/CD with GitHub Actions.
- Deployed ELK Stack, Prometheus, and Grafana to achieve 70% faster issue detection.
- Automated infrastructure operations, reducing manual tasks by 40%.
- Mentored junior engineers, boosting team productivity by 35%.

DEVOPS ENGINEER (CONTRACT)

April 2024 – April 2025

PSIT

- Enhanced deployment speed by 40% and integrated OAuth2/JWT authentication, accelerating release cycles.
- Enabled 99.9% uptime for a tax processing platform through Kubernetes-based high availability architecture.
- Implemented secrets management using HashiCorp Vault to secure sensitive data.

SYSTEM ADMINISTRATOR

October 2021 – January 2024

Colenco Consulting Ltd.

- Ensured 40% reduction in unplanned downtime through proactive system monitoring.
- Managed Office 365 rollout for 100+ users.
- Enhanced company security posture with protocols that reduced successful phishing attempts by 70%.

SECDEVOPS SPECIALIST

September 2017 – August 2021

JONAFOON NIG. Ltd.

- Optimized incident resolution processes, cutting resolution time by 30%.
- Delivered remote support with a 95% client satisfaction rate.

EDUCATION

M.SC. IN CYBER SECURITY SCIENCES

Jan 2021

Federal University of Technology, **Minna**

B.SC. IN PHYSICS

Jan 2011

Federal University of Technology, **Owerri**

CERTIFICATIONS

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|---|---|
| • AWS Solutions Architect – Associate, 02/01/25 | • Microsoft Certified Azure DevOps Engineer, 02/01/25 |
| • Certified Aviatrix Engineer (Multi-Cloud Network Associate), 02/01/24 | • Certified Cloud Architect (Azure) – Udacity Nanodegree, 02/01/24 |
| • Google Cloud Platform Fundamentals, 02/01/24 | • Optimize Costs for Google Kubernetes Engine Skill Badge, 02/01/25 |
| • Develop Your Google Cloud Network Skill Badge, 02/01/25 | • Build Infrastructure with Terraform on Google Cloud Skill Badge, 02/01/25 |

PROJECTS ACHIEVEMENTS

- **Kubernetes Cluster with KubeVirt:** Architected and deployed a production-grade RKE2 Kubernetes cluster with integrated virtual machine orchestration, enhancing infrastructure scalability.
- **PXE Boot Automation:** Automated network installation for 50+ Dell PowerEdge servers using Foreman (PXE boot), cutting server deployment time significantly.
- **CI/CD Governance:** Established CI/CD best practices and standards across teams, improving release velocity and system stability.