

ABAYOMI ROBERT ONAWOLE

DevOps and Cloud Engineer

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Portfolio: [Github](#) | <https://yomex96.github.io>

Professional Summary

Cloud & DevOps Engineer with hands-on experience architecting and implementing multi-cloud solutions across Amazon Web Services (AWS) and Microsoft Azure. Skilled in Infrastructure as Code (IaC), container orchestration, security hardening, and cost optimization for scalable, secure, and high-performance systems. Proven track record of automating deployments, optimizing cloud infrastructure, and delivering production-ready solutions using AWS services such as Amazon Elastic Compute Cloud (EC2), Simple Storage Service (S3), and AWS Lambda, as well as Azure equivalents. Adept at collaborating with cross-functional teams to ensure seamless integration of DevOps best practices and meeting project goals on time.

TECHNICAL SKILLS

Cloud Platforms	Aws (EC2 S3, DynamoDB, VPC, Lambda Amplify, ECS, RDS, EKS, IAM) and Microsoft Azure (AKS)
Build Tools	Gradle and Maven
Containers and Orchestration	Docker and Kubernetes
Scripting	Python, Go and Shell (Bash)
Configuration Management	Ansible
Infrastructure as Code	Terraform and cloud formation
CI/CD	GitHub Actions, Gitlab and Jenkins
Monitoring and Logging	Cloud watch, Prometheus, Datadog, Splunk and Grafana
Security and Compliance	IAM, Security Groups, Encryption, Vulnerability scanning
Databases	MongoDB, MySQL, DynamoDB
Networking	TCP/IP, DNS, Load Balancing, Firewalls
Collaboration & Agile	Jira, Confluence, Agile Methodologies
Operating System	Linux

WORK EXPERIENCE / ACTIVITIES

Tech Nova Solutions Ltd. (Contract) – DevOps Engineer

Lagos, Nigeria | / December 2024 – May 2025

- Identified and eliminated inefficiencies in legacy cloud infrastructure by transforming manually provisioned resources into modular, reusable Terraform-based IaC, reducing cloud costs by 45.7%, improving resource utilization by 40%, and accelerating deployment times by 35%.
- Developed Terraform templates to provision infrastructures on AWS and Azure, reducing deployment time by 40% and minimizing configuration drift.
- Led migration from GitHub to GitLab, enhancing repository security and optimizing CI/CD workflows, reducing infrastructure costs by 25.6%.
- Optimized AWS DynamoDB performance by implementing auto-scaling, optimized indexing, and partition key redesign, improving query efficiency and ensuring 90% availability for AI/ML applications.
- Implemented proactive monitoring using AWS CloudWatch, reducing system downtime by 20%.
- Developed and maintained Python scripts to automate infrastructure tasks, debugged deployment issues, and optimized CI/CD pipelines.
- Deployed AI/ML applications using AWS services, including EC2 and AWS Amplify, ensuring scalability, reliability, and optimal performance.
- Configured and managed Linux-based systems, enhancing system security and performance.
- Worked in Agile sprints, collaborating with developers and data scientists, and contributed to documentation in Confluence.

Cloud Sphere Technologies (Contract) – Systems Engineer

Akure, Nigeria / June 2024 – July 2025

- Managed network infrastructure for high availability and performance.
- Configured and secured Linux-based systems for enterprise use.
- Performed data analysis and reporting using SQL.

LICENSES & CERTIFICATIONS

AWS Solution Architect – Associate

Amazon Web Services - Issued May 2025

Validated skills in designing secure, cost-efficient and scalable cloud architectures using AWS services including EC2, S3, RDS, Lambda, VPC and more. Proficient in deploying and managing cloud infrastructure based on best practices.

AWS Certified Cloud Practitioner

Amazon Web Services - Issued January 2025

Strong foundation in cloud computing concepts, AWS core services, cloud architecture principles, and the AWS shared responsibility model.

Software Engineering Certificate (Backend Specialization)

ALX AFRICA - Issued September 2024

Completed hands-on training in full-stack development using Python, C, JavaScript, Node.js, React.js, MongoDB, SQL, MySQL, Chef and Puppet. Gained operational experience in Linux system administration, Nginx and basic network configuration.

Fortinet Certified Fundamentals in Cyber Security

Fortinet - Issued August 2024

Demonstrated knowledge in cybersecurity basics, threat analysis and mitigation, and strategies for managing emerging cyber risks.

EDUCATION

Federal University of Technology Akure, Akure, Nigeria

January 2017 – July 2023

Bachelor of Engineering in Electrical and Electronic Engineering
(*Second Class Upper*)

ALX-AFRICA

August 2023 – September 2024

Professional Software Engineering Program
(*Online-based program focused on software engineering principles*)

NOTABLE PROJECTS

• AWS Cafe Web Server – Highly Available Architecture

Designed and implemented a scalable, highly available web architecture for a cafe application using Amazon EC2, S3, RDS, and VPC networking. Applied load balancing, auto-scaling, and IAM security policies. Automated infrastructure provisioning with Terraform, reducing manual setup time by 70%. Integrated CI/CD pipelines with GitHub Actions, improving release frequency and reducing deployment errors by 40%.

• Serverless Cafe Application Architecture

Built a serverless web application with AWS Lambda, API Gateway, and DynamoDB. Hosted static content on S3 + CloudFront, implemented user authentication with Amazon Cognito, and created event-driven workflows. Optimized performance and reduced server management overhead by 60% while implementing cost-saving strategies.