**ABAYOMI ROBERT ONAWOLE**

**DevOps and Cloud Engineer**

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**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**

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| --- | --- |
| 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.