

# Owolabi Agbabiaka Cloud/DevOps Engineer

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 GitHub

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 Project

## Summary

Detail-oriented Cloud/DevOps Engineer with a strong passion for automating CI/CD processes and enhancing cloud infrastructure efficiency. Proficient in AWS, Docker, Terraform, and GitHub Actions, with hands-on experience in building and optimizing CI/CD pipelines for various applications.

## Skills

**Cloud Platforms** — AWS (EC2, Route 53, VPC, IAM, S3, CloudWatch, Load Balancer, Auto Scaling), Linux (Ubuntu)

**DevOps Tools** — Terraform, Docker, GitHub Actions, Kubernetes, Ansible

**CI/CD & Automation** — GitHub Actions, Docker Compose, Terraform Automation

**Languages** — Python, Bash, HCL, YAML

**Version Control** — Git/GitHub

## Projects

### Project 1 - Multi-Region EC2 Deployment with Terraform

- Automated deployment of EC2 instances across multiple AWS regions using Terraform.
- Configured variable-driven instance types, AMIs, counts, and region selection for flexibility.
- Implemented multiple AWS providers with aliasing to manage multi-region resources efficiently.
- Outputted public IPs and regions used for quick validation and monitoring.
- Demonstrated skills in **Infrastructure as Code (IaC)**, **cloud automation**, and **multi-region resource management**.
- Documented deployment procedures and cleanup steps in README.md.

### Project 2 - Website Deployment using Ansible, NGINX, S3 and (ALB)

- Automated server provisioning and configuration with **Ansible Playbooks**.
- Installed and configured **NGINX**, ensuring high availability and auto-start on boot.
- Integrated **dynamic instance metadata display** for each EC2 instance.
- Provisioned VPC, subnets, gateways, and security groups to ensure isolation and security.
- Configured **ALB** for load balancing and traffic distribution.
- Deployed and compared static website hosting on **S3**, demonstrating cost-effective alternatives.
- Gained hands-on experience with **AWS EC2, ALB, S3, VPC, security groups**, and **IaC principles**. 
- Documented deployment procedures and cleanup steps in README.md and Medium 

### Project 3 - System Memory Monitoring and Daily Notification Script

- Developed a **Bash script to log hourly RAM usage and send daily email reports**, enabling proactive monitoring and system performance management on Linux servers.
- Automated daily log management with **cron scheduling and error handling**, ensuring seamless, reliable memory tracking without manual intervention.
- Documented deployment procedures and cleanup steps in README.md.

## Education

**Diploma, AltSchool Africa**   
Cloud Engineering

03/2025 – Present

**Bachelor of Science (B.Sc.), Lagos State University**  
Fisheries and Aquatic Biology

11/2019 – 09/2024

## Certifications

- AWS Certified Cloud Practitioner (In View)
- Linux Foundation Certified System Administrator (Target)