

# Wahab Mustapha Aremu

Linux Administrator | Infrastructure Engineer | DevOps Engineer

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## Summary

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As an experienced DevOps engineer and cloud solutions architect, I specialize in designing, automating, and managing infrastructure using a range of tools and technologies including AWS, Terraform, Kubernetes, Docker, and CI/CD pipelines. With expertise in cloud platforms, infrastructure as code, artifact repositories, and configuration management, I have successfully built scalable, secure, and efficient systems. I have hands-on experience in managing cloud services, networking, security, and monitoring solutions while ensuring compliance and performance optimization. I am skilled in writing automation scripts, managing repositories, integrating DevOps tools, and implementing best practices for continuous integration and delivery. My ability to work with teams, manage complex workflows, and ensure high availability and security makes me an asset to any organization.

## Skills

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### Cloud Platforms: AWS

Managing core AWS services, networking, IAM, serverless architectures, storage, databases, cost management, security, DevOps, and monitoring tools for comprehensive cloud infrastructure management

### Configuration Management: Ansible

Automating tasks with Ansible using YAML playbooks, dynamic inventory, reusable roles, core modules, encrypted data, and Ansible Tower/AWX for enterprise management.

### CI/CD: AWS CodePipeline, GitHub Actions, Jenkins, GitLab, TeamCity

Building and automating CI/CD pipelines with tools like CodePipeline, GitHub Actions, Jenkins, and GitLab, including integrations, scanning, and artifact management.

### Artifact Repositories: Nexus, JFrog

Managing repositories, access control, artifact storage, CI/CD integration, automation with REST APIs, and vulnerability scanning using Nexus and Artifactory.

### Caching and Messaging: Redis

Managing Redis data structures, replication, persistence, clustering, security, caching, and optimization for high-performance storage and messaging.

### Infrastructure as Code: Terraform, CloudFormation

Writing and managing Terraform configurations (HCL, state files, modules, providers) and handling resource dependencies, while using CloudFormation for stack creation, parameters, nested stacks, and drift detection

### Containerization and Orchestration: Docker, Kubernetes

Managing Dockerfiles, containers, Kubernetes resources, networking, monitoring, autoscaling, and troubleshooting with tools like kubectl and Prometheus.

### Security Tools: TerraScan, Snyk, SonarQube, IAM, Network Policies

Scanning IaC, dependencies, and code for security and compliance with TerraScan, Snyk, SonarQube, managing IAM permissions, and enforcing network policies in Kubernetes

### Collaboration Tools: Slack, Jira

Managing workflows, integrations, notifications, project setups, and reporting with Slack and Jira for collaboration and agile project management

### Monitoring: Datadog, CloudWatch

Configuring monitoring with dashboards, alerts, tracing, log management, RUM, metrics, and integrations using Datadog and CloudWatch.

## Professional Experience

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### **DevOps Engineer, Zerone Space**

04/2022 – Current  
Lagos, Nigeria

- Led implementation of Kubernetes cluster that improved application deployment frequency by 500% and reduced deployment failures by 75%
- Designed and implemented GitOps workflow using ArgoCD, reducing lead time for changes by 80% and improving release reliability by 60%
- Developed comprehensive observability strategy using ELK stack and Datadog, improving incident detection by 70% and reducing MTTR by 55%
- Implemented infrastructure security scanning in CI/CD pipeline, reducing vulnerabilities in production by 85%
- Automated compliance checks and reporting, reducing audit preparation time by 90% and achieving 100% compliance score
- Designed and implemented blue-green deployment strategy that eliminated downtime during releases and reduced rollback time by 95%
- Spearheaded AWS services utilization including EC2 instances, S3 storage, RDS databases, and Lambda functions, optimizing cloud costs by 35% while maintaining 99.9% uptime
- Enhanced CI/CD processes with AWS CodePipeline, ArgoCD, GitHub Actions and Terraform, increasing deployment frequency by 300% and reducing lead time for changes by 85%
- Leveraged Terraform as primary infrastructure-as-code (IaC) tool to deploy and manage multi-tier applications, reducing provisioning time by 80% and configuration errors by 65%
- Utilized Terraform state management and remote backends (S3 and DynamoDB), achieving 99.5% integrity in infrastructure deployments and reducing state conflicts by 85%
- Deployed Docker containers with Docker Compose to decompose monolithic applications into microservices, enhancing scalability by 120% and reducing resource consumption by 35%
- Created custom Terraform modules for standardized infrastructure provisioning, increasing developer productivity by 40%
- Optimized CI/CD pipeline performance, reducing build times by 65% and enabling 20+ daily deployments
- Implemented chaos engineering practices that improved system resilience by 50% and reduced major incidents by 70%
- Led cross-functional initiatives to adopt DevOps culture across the organization, resulting in 85% reduction in lead time from commit to production

### **Infrastructure Engineer, Easylink Enterprises**

03/2020 – 04/2022  
Lagos, Nigeria

- Architected and implemented infrastructure-as-code using Terraform, reducing provisioning time by 75% and configuration errors by 60%
- Led cloud migration initiative that transitioned 40% of on-premises workloads to AWS, resulting in 35% cost savings and improved scalability
- Designed and implemented CI/CD pipeline for infrastructure changes, increasing deployment frequency by 300% while maintaining stability
- Automated network configuration management using Ansible, reducing manual errors by 85% and accelerating network changes by 70%
- Implemented comprehensive monitoring solution with Prometheus and Grafana, improving incident detection by 50% and reducing MTTR by 40%
- Optimized cloud resource allocation and implemented auto-scaling, leading to 25% reduction in cloud infrastructure costs

- Designed and implemented disaster recovery strategy that improved RTO by 65% and RPO by 80%
- Collaborated with security team to implement infrastructure security measures that achieved 98% compliance with industry standards
- Created self-service portal for development teams, reducing infrastructure request fulfillment time by 90%
- Mentored junior team members on infrastructure best practices, improving team efficiency by 30% and reducing escalations by 45%

#### **Linux Administrator, TimestWeb**

02/2018 – 02/2020

Lagos, Nigeria

- Maintained and optimized 50+ Linux servers across multiple environments, achieving 99.9% uptime while reducing response time to system alerts by 40%
- Implemented automated patching system that reduced security vulnerabilities by 65% and decreased maintenance windows by 4 hours monthly
- Designed and deployed centralized logging solution that improved troubleshooting efficiency by 35% and reduced MTTR by 28%
- Developed shell scripts to automate routine administrative tasks, saving 15 hours weekly across the team
- Created and maintained comprehensive documentation for system operations, reducing onboarding time for new team members by 50%
- Led migration from physical servers to virtualized environment, reducing hardware costs by 30% and improving resource utilization by 45%
- Established standardized server builds using configuration templates, reducing deployment time by 60% and improving consistency by 85%
- Performed regular security audits and implemented hardening measures that reduced security incidents by 70% year-over-year
- Optimized database performance through query analysis and server tuning, improving application response times by 25%
- Collaborated with development teams to resolve 200+ infrastructure-related tickets, maintaining a 95% SLA compliance rate

### **Education**

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**Bsc in Computer Science, University of Ibadan**

Ibadan, Nigeria

**Higher National Diploma (HND) in Computer Science, Kwara State Polytechnic**




Kwara, Nigeria

**Ordinary National Diploma (OND) in Computer Science, Kwara State Polytechnic**

Kwara, Nigeria

### **Certifications**

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- HashiCorp Certified: Terraform Associate (003) 
- Linux Essentials 
- Certified Kubernetes Administrator (CKA) 
- Kubernetes and Cloud Native Associate 