

Alhassan Ibrahim

DevOps & Platform Engineer

Abuja, Nigeria • Open to remote

 zerosoftware@gmail.com

 linkedin.com/in/alhassanib

 github.com/zerosoftware

 alhassan.link

 Credly

Professional Summary

DevOps and platform engineer with 7 years across fintech, edtech, and blockchain data infrastructure. After leading engineering teams as Engineering Manager and Enterprise Architect at a Nigerian fintech, moved deliberately back to hands-on infrastructure to build international and blockchain experience. Now owns automation, observability, and reliability for multi-site node infrastructure serving 150+ real-time and historical blockchain data streams. Track record includes a 67% infrastructure cost reduction, scalable microservices architectures for high-volume payments, and cloud delivery across AWS, Azure, and GCP — backed by professional certifications in cloud, Kubernetes, and security.

Work Experience

DevOps Engineer

Mar 2025 – Present

Dwellir AB • Uppsala, Sweden • dwellir.com

Drive automation, observability, and reliability for multi-network blockchain node infrastructure spanning five sites. Migrated the Polkadot fleet — the largest at ~300 nodes — to snap packaging so fleet-wide upgrades ship through a single publication, replacing a manual process that previously took three engineers one to two full days per upgrade cycle. Part of the team responsible for logs, metrics, and alerting across all sites and networks, and for on-call and incident response. Leading consolidation of a fragmented per-node Prometheus estate into a per-site observability stack federated to Grafana Cloud via Private Data Source Connect, driving the platform toward a 99.9% availability target, on Kubernetes and Juju-managed environments with Grafana Mimir/Loki and OpenTelemetry ingestion pipelines.

Stack: Juju • Charmcraft • Snapcraft • Kubernetes • Linux • Python • Blockchain • LGTM Stack (Loki, Grafana, Tempo, Mimir)

Engineering Manager

Jun 2024 – Feb 2025

TeamApt Ltd (now Moniepoint) • Lagos, Nigeria • teamaptltd.com

Led a team of six engineers building scalable product architectures optimized for high-volume financial transactions. Drove design strategies, oversaw deployment and scaling, and ensured system reliability and cost efficiency. Managed project milestones, assigned technical tasks, and maintained oversight of design approvals to ensure architectural integrity. Coordinated delivery, release notes, and continuous improvements with a focus on product quality and security. Mentored engineers and fostered a culture of continuous learning, accountability, and ownership.

Stack: Jira • Jellyfish • Spring Boot • React • Kubernetes • AWS • Azure

Enterprise Architect

Jan 2024 – Jun 2024

TeamApt Ltd (now Moniepoint) • Lagos, Nigeria • teamaptltd.com

Designed and implemented scalable microservices architectures for mission-critical payment workloads. Established robust service-to-service communication patterns, configured deployment and scaling strategies, and guided development teams. Codified architectural practices and standards to keep design decisions consistent across services.

Stack: Spring Boot • React • Jenkins • Kubernetes • AWS • Azure

Flexisaf Edusoft • Abuja, Nigeria • [flexisaf.com](#)

Drove a sustained 67% infrastructure cost reduction — from \$12,000 to \$4,000 per month — by consolidating workloads onto shared resources and maximizing utilization through continuous monitoring, tuning, and optimization. Maintained scalability and high availability during peak traffic periods while holding workload and product security to the highest standard. Implemented advanced logging, tracing, and observability solutions ensuring robust performance monitoring and incident response. Continue to own AWS cloud infrastructure and deployment tooling for FlexiSAF's education platforms, coaching team members on security standards and best practices.

Stack: Spring Boot • React • AWS (EC2, ECS, ECR, RDS, Route 53) • Snyk • Bitbucket

Team Lead

Dec 2020 – Jan 2023

Flexisaf Edusoft • Abuja, Nigeria • [flexisaf.com](#)

Led a team of five engineers building an online learning platform for local and international examinations. The platform simulates real exam conditions, tracks the topics each student struggles with, and uses AI to recommend targeted lessons and remediation so scores improve across subsequent practice attempts. Owned delivery end to end, from technical direction through to weekly reporting to management.

Stack: Spring Boot • AWS • Jira • PostgreSQL

Senior Software Engineer

Jan 2020 – Dec 2020

Flexisaf Edusoft • Abuja, Nigeria • [flexisaf.com](#)

Worked within a team of eight engineers to develop automated workflows for digital application and admission processing. Designed and built robust backend APIs and event-driven services, and architected secure, scalable infrastructure on AWS.

Stack: Quarkus • NestJS • Kafka • PostgreSQL • AWS

Software/Cloud Engineer

Aug 2019 – Jan 2020

Flexisaf Edusoft • Abuja, Nigeria • [flexisaf.com](#)

Optimized JavaEE codebase, implemented payment service in Spring Boot, and developed audit log and event log subsystems. Set up Jenkins build pipelines, configured AWS infrastructure, and established monitoring dashboards on New Relic.

Stack: Spring Boot • Java EE • Payara • AWS • Jenkins • New Relic

Technical Skills

CLOUD & INFRASTRUCTURE

- AWS
- Azure
- GCP
- VPS(s)
- Terraform
- LXD
- Linux

ORCHESTRATION & CONTAINERS

- Kubernetes
- MicroCloud
- Docker
- Juju
- Charmcraft
- Snapcraft

OBSERVABILITY & RELIABILITY

- LGTM Stack (Loki, Grafana, Tempo, Mimir)
- Prometheus
- OpenTelemetry
- Incident Response

CI/CD & SECURITY

- Jenkins
- GitHub Actions
- Bitbucket Pipelines
- Snyk
- Secrets Management

BACKEND & DATA

- Spring Boot
- Quarkus
- NestJS
- Python
- Kafka
- PostgreSQL

WAYS OF WORKING

- Agile/Scrum
- Jira
- Technical Leadership

Selected Work

COS Lite on AWS — deployment guide

End-to-end walkthrough of deploying the Canonical Observability Stack with MicroK8s and Juju: MetalLB on EC2, Traefik ingress with Let's Encrypt DNS-01 via Route 53, and cross-controller relations.

Polkadot node snap packaging — snapcraft.io/polkadot

Snap packages published to the Snap Store under the Dwellir organisation, making Polkadot fleet upgrades a single publication instead of a manual rollout across ~300 nodes.

Certifications

Professional Scrum Product Owner I

2025 – No expiration

Google Cloud Certified Professional Cloud Architect

2025 – 2027

AWS Certified Security Specialty

2024 – 2027

AWS Certified DevOps Engineer Professional

2024 – 2027

CNCF Certified Kubernetes Administrator (CKA)

2024 – 2027

CNCF Certified Kubernetes Application Developer (CKAD)

2024 – 2026

HashiCorp Certified Terraform Associate

2023 – 2025 (renewal in progress)

AWS Certified Developer Associate

2023 – 2027

AWS Certified Solutions Architect Associate

2023 – 2026

Education

Bachelor of Science in Computer Science

2011 – 2015

Ahmadu Bello University • abu.edu.ng