

# Alhassan Ibrahim

## DevOps / Fullstack Engineer

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## Professional Summary

Results-driven DevOps and Fullstack Engineer with over 8 years of experience in designing, developing, and deploying highly secure, scalable software systems. Proven expertise in fintech and education industries, focusing on creating resilient, microservice-based architectures, optimizing infrastructure costs, and implementing observability from the ground up. A hands-on leader who mentors teams, ensures smooth CI/CD pipelines, and consistently delivers solutions that meet customer requirements.

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## Core Competencies

- **Cloud & Infrastructure:** AWS (5 years), Kubernetes (4 years), Docker (7 years), Terraform (5 years)
  - **Languages & Frameworks:** Java (8 years), Spring Boot (5 years), JavaScript (7 years), React (5 years), NodeJS (5 years)
  - **DevOps:** CI/CD pipelines, Jenkins, GitLab, Bitbucket Pipelines, Monitoring (NewRelic, SonarQube, Prometheus)
  - **Databases:** SQL (8 years), MongoDB (5 years), PostgreSQL, MySQL
  - **Other Skills:** Python, TypeScript, C#, Kotlin
  - **Certifications:** AWS, Kubernetes, Terraform (details below)
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## Professional Experience

### Enterprise Architect

**TeamApt Limited** (Jan 2023 – Present) | Nigeria  
**Direct to Bank Solutions**

As Enterprise Software Architect for a fintech company, I design and implement scalable microservices architectures for high-volume financial transactions. Leading a team of developers, I ensure seamless service-to-service communication and efficient deployment strategies.

**Key Achievements:**

- Improved transaction processing rates, enhancing performance during peak periods.
- Optimized CI/CD pipelines, reducing deployment time by 30%.
- Designed and deployed cost-effective solutions that met stringent customer requirements.

**Tools:** Spring Boot, React, MySQL, Kubernetes, Git, GitLab, Jenkins, SonarQube

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## **Lead DevOps Engineer**

**Flexisaf Edusoft** (Sept 2022 – Jan 2023) | Nigeria

Focused on optimizing cloud infrastructure and cost, while ensuring scalability and security for edtech platforms.

**Key Achievements:**

- Reduced infrastructure costs by 64% (~\$8,000 monthly) through resource optimization.
- Integrated tracing and observability, enhancing system monitoring and incident response.
- Spearheaded security audits on CI/CD pipelines, improving code quality.

**Tools:** AWS, Terraform, Bitbucket Pipelines, ECS, Snyk, SonarQube, NewRelic

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## **Team Lead**

**Flexisaf Edusoft** (Feb 2021 – Sept 2022) | Nigeria

Led a team of 5 engineers for SAFLearn, delivering online learning solutions.

**Key Achievements:**

- Delivered a fully automated CI/CD pipeline, including code vulnerability scanning and automated testing.
- Integrated payment gateways and transaction processing to handle high-traffic periods seamlessly.
- Led the architectural design and implementation of microservices for online learning.

**Tools:** Spring Boot, React, PostgreSQL, AWS, Git, Bitbucket

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## DevOps Engineer

**Flexisaf Edusoft** (Jan 2019 – Dec 2020) | Nigeria

Managed infrastructure and CI/CD pipelines for SAFSIMS, an education management platform.

### Key Achievements:

- Reduced operational costs by 50% through efficient resource allocation.
- Migrated CI/CD pipeline from Jenkins to Bitbucket, streamlining the deployment process.
- Designed and maintained AWS infrastructure for high availability and scalability.

**Tools:** Quarkus, Spring Boot, AWS, ECS, PostgreSQL, Bitbucket, Terraform

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## Backend / Cloud Engineer

**Flexisaf Edusoft** (Aug 2019 – Feb 2020) | Nigeria

Worked on the backend team for NECO, optimizing systems for Nigeria's national exam body.

### Key Achievements:

- Implemented payment processing systems, increasing revenue collection efficiency.
- Developed real-time monitoring dashboards, reducing server downtime by 25%.
- Setup AWS auto-scaling to handle high availability during exam periods.

**Tools:** Spring Boot, AWS Beanstalk, React, Jenkins, PostgreSQL

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## Software Engineer

**Lexington Technologies** (Jan 2020 – Sept 2020) | Nigeria

Developed FIEMS, a digital facility management system, contributing to both backend and frontend solutions.

### Key Achievements:

- Designed APIs and architected Redux-based state management for a responsive application.
- Integrated socket.io for real-time event handling and monitoring.

**Tools:** NestJS, Angular, Docker, MySQL, Socket.io

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## Education

**Ahmadu Bello University**

BSc in Computer Science (2011 – 2015) | Nigeria

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## Certifications

- **AWS Certified Security Specialty** – August 2024
  - **AWS Certified DevOps Engineer Professional** – June 2024
  - **CNCF Certified Kubernetes Application Developer (CKAD)** – September 2024
  - **CNCF Certified Kubernetes Administrator (CKA)** – February 2024
  - **HashiCorp Certified Terraform Associate** – November 2023
  - **AWS Certified Developer Associate** – September 2023
  - **AWS Certified Solutions Architect Associate** – August 2023
  - **AWS Certified Cloud Practitioner** – July 2023
  - **Scrum Master** – August 2023
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## Hobbies & Interests

Learning new technologies, mentoring others, and staying updated with cloud-native architectures. Enjoys hacking, reading, and teaching in spare time.

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## References

Available upon request.