

Micaiah Adzomani

Fullstack Software Engineer

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<https://github.com/MickeyDLuffy>

PROFILE

Experienced Full-Stack Developer with 5+ years in Java backend and Angular frontend. Skilled in building scalable systems with Spring Boot, Spring Cloud, Kafka, and Kubernetes. Proficient in agile web development for Fintech and business intelligence. Passionate about designing responsive interfaces with Angular, HTML, SCSS, and TypeScript. Strong collaborator, excelling in testing, debugging, and integrating front-end with back-end logic.

SKILLS

Java	Spring Boot	Git/Github	RESTful APIs	Docker	Redis	Jenkins CI/CD
Kubernetes	PostgreSQL	Snowflake	Kafka	AWS EC2, S3, RDS, ECS	JUnit/Mockito	
Azure	Angular	TypeScript	Angular Material/ Bootstrap			

PROFESSIONAL EXPERIENCE

Contingent Software Engineer 01/2022 – present | UK/Remote
Morgan Stanley

- Designed secure APIs reducing vulnerabilities that could expose PII data by 90%.
- Connected Azure Databricks with investment management, improving data analysis by 75%.
- Participated in agile practices including daily standups and sprint reviews, improving team velocity by 30%.
- Automated Snowflake schema management using Liquibase and Azure Pipelines deployment reducing manual errors by 80%.
- Integrated Spring Boot app with financial reporting engine for risk analysis and revenue forecasts used by senior management.

Software Engineer 09/2021 – present | Accra, Ghana
Turntabl

- Participated in engineering interview sessions, contributing to the hiring of over 100 new software engineers.
- Designed system architecture and technical designs for over 5 services, improving stability by 35% and scalability by 50%.
- Provided technical mentorship to 10 engineers through weekly one-on-one sessions, improving their skills within 6 months.
- Developed Angular UIs with 40% code reuse between admin and client portals.

Senior Software Engineer 02/2021 – 05/2022 | Kenya/Remote
Bevtech Solutions

- Implemented CI/CD deployment pipelines to improve release frequency by 60%.
- Built a telehealth web app using Angular and Spring Boot supporting 10K+ doctors and patients.
- Implemented core functionalities like medical records, appointment scheduling using Google Calendar API integration

Full Stack Developer 07/2018 – 08/2021 | Accra, Ghana
STL Group (SuperTech Ghana Limited)

- Applied clean coding practices and solid principles, resulting in a 30% reduction in code defects
- Partook in weekly code reviews and refactoring sessions, reducing technical debt and improving code quality over time.
- Wrote technical guides and API documentation for 5 Spring Boot applications, improving developer productivity by 25%.
- Containerized monolithic apps into Docker and orchestrated with Kubernetes, enabling auto-scaling to handle 2x more traffic.

PROJECTS

Investment Management

02/2022 – present

A financial calculation engine

- Migrated the calculation engine from on-prem to Azure cloud, improving application availability from 99.5% to 99.95%.
- Engineered a responsive UI/UX Angular application for a financial calculation module API, deploying it on Azure static web apps.
- Built redundancy into infrastructure across multiple azure availability zones, eliminating downtime during zone outages.
- Implemented configuration management with Spring Cloud Config Server for real-time config updates with zero downtime.
- Refactored legacy code to use SOLID principles and design patterns, improving SonarQube maintainability rating from D to A.
- Utilized Apache Spark cluster with 50 nodes to process 1TB of financial transaction data daily, reducing processing time by 40%.
- Integrated Spring Boot API with a sensitivity analysis engine for investment managers for real-time analysis of 1000+ scenarios.

Vacation Planner

04/2023 – 07/2023

An employee leave application app

- Designed cloud native architecture for a vacation booking microservice.
- Configured Keycloak to manage user access and roles across multiple Spring Boot APIs.
- Introduced schema management with Flyway, enabling reliable DB migrations and version control.
- Designed services around events and asynchronous processing using Apache Kafka, improving system reliability by 22%.
- Implemented request tracing with Zipkin and monitoring with Prometheus for microservices, reducing resolution time by 30%.
- Implemented Hystrix dashboards to monitor services in real-time, enabling rapid detection of problems before cascading failures.

Orderbus

01/2023 – 03/2023

Order Processing microservice

- Configured JSON schema validation for 20+ API endpoints ensuring data integrity and quality.
- Implemented Spring Authorization Server with OAuth 2.0 and JWT to provide single sign-on across 5 APIs.
- Optimized database query performance by adding caching with Redis, improving response times by 40% for APIs.
- Reduced initial page load time by 50% and time-to-interactive by 40% through code splitting and lazy loading of noncritical resources
- Implemented caching and pre-fetching techniques reducing repeat page load time from 5 seconds to under 1 second.

Kraken

A ticketing system

- Integrated Keycloak for SSO authentication across 5 microservices, centralizing access control.
- Implemented Kubernetes health checks and liveness probes, reducing downtime due to failed containers by 60%.
- Added unit and integration tests with 99% code coverage measured with JaCoCo using JUnit and TestContainers.
- Designed a microservice-based internal ticketing system with Spring Cloud used by 400+ employees across 32 departments.
- Monitored APIs using Prometheus for metrics, Grafana for visualization, Loki for logging, reducing error diagnosis by 40%.

Supersale

marketing and analytics application

- Integrated Kafka Streams for real-time lead scoring increasing sales rep productivity by 15%.
- Added multilingual support for 2 languages, expanding market reach and increasing sales by 10%.
- Load balanced APIs using Nginx as a reverse proxy, reducing latency by 50ms for external clients.
- Leveraged Jenkins pipeline with JaCoCo and SonarQube plugins for automated unit, integration and performance testing.
- Implemented circuit breakers and bulkheads, limiting the blast radius from failures and reducing overall downtime by 40%.
- Built a marketing API for lead and follow-up tracking used in 4 countries to manage 70,000+ leads and 300,000+ follow-ups.

EDUCATION

MBA Management Information Systems

Accra, Ghana

University of Ghana, Legon

BSc Computer Science

09/2012 – 07/2016 | Kumasi, Ghana

Kwame Nkrumah University of Science and Technology

CERTIFICATES

- Advanced Java Programming Certificate