

RICHARD KABU ADEKPONYA

JAVA BACKEND ENGINEER

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Objective

Skilled Java Engineer having 5 years of experience in designing, developing, implementing and maintaining efficient Java applications. Seeking a Java Backend Engineer position where I can leverage my 5+ years of experience in Spring Boot, microservices and cloud native architecture to drive impactful solutions.

Education

University of Ghana

BSc Computer Engineering

[May 2015-May 2019]

Work Experience

Java Backend Engineer

IT Consortium, Legon-Ghana

[May 2020 - July 2024]

- Specialized in system integrations, built scalable restful APIs and developed USSD Applications with the help of SpringBoot framework and utilities like rabbit,redis,AWS, Docker,JPA,Maven and much more.
- Worked in a team to develop a robust payment gateway application used by over a million users.
- Completed detailed programming and development tasks specifically back-end server code roles.
- Deployed tested codes to pass User Acceptance Stage through to production.
- Migrated legacy projects and codes from an old data center to Amazon Web Services.
- Integrated with Bank and corporate firms for most payment systems API using spring boot framework.
- Managed Applications on Linux environments and ensured all application dependencies are satisfied.
- Reimplemented existing code which satisfactorily reduced cost about 80% to save billings on architecture, improved API response and turnaround time by -700ms with the initial “x”ms lag after benchmarking and running a concurrency test alongside giving a raise in traffic with users of worst case +8k on a bi-weekly analysis.
- Designed and developed scalable and maintainable Java applications to meet project requirements.
- Migrated most server based applications to serverless implementation using the lambda architecture which increased annual revenue by a margin of +25%..
- Collaborated with cross-functional teams to define project specifications and deliverables.
- Implemented unit tests and participated in code reviews to ensure code quality and adherence to best practices.
- Resolved complex technical issues, performed debugging, and optimized application performance.
- Contributed to the development of RESTful APIs to facilitate seamless integration with front-end applications.

Research And Teaching Assistance

University Of Ghana, Computer Engineering Department, Legon-Ghana

[September 2019- August 2020]

- Worked as a Teaching Assistance in the department of Computer Engineering for a couple of lecturers to aid students' understanding in courses that seem confusing after being taught by the lecturer.
- Performed practical and theoretical tutorials for students in the absence of the lecturer.
- Collaborated with students on research projects.

Java Backend Engineer

We Are Devs, Legon-Ghana

[September 2019- April 2020]

- Worked in a team to develop a robust API for a real estate application used by a 1000 plus customers.
- Implemented Secured API accessing for users through OWASP standardization.
- Ensured coding rules and standards are met throughout implementations.
- Developed well documented API using SWAGGER to aid in providing descriptive means of access to users when integrating with the application.

Skills and Interest

Programming Skills and Tools: Java8 | Java11 | Java 17 | Scrum | Software Development | Agile | Git | SQL | Nodejs | Redis | RabbitMQ | Lambda | Message Streaming | Microservices | REST | SOAP | React |

Development Tools: Eclipse | IntelliJ IDEA | Maven | VS Code

Operating Systems: Windows | Linux | MacOS

Design Patterns and Software Architecture

Database: MySQL | DynamoDB | MongoDB

Web Technologies: HTML | CSS | JavaScript

Version Control: Git

Professional: Team player | Excellent Communication | Time Management

Interest: Coding | Adventure Touring | Football | Music

Certifications

Principles Of Secure Coding

Coursera

Java 8 New Features In Simple Way

Udemy

Crash Course On Python

Coursera

Hands On Introduction To Linux Commands And Shell Scripting

Coursera

Projects

I have worked on various backend systems for a range of clients and industries including finance, insurance, agriculture and health. Below is a summary of the type of projects I have contributed to, providing a high level overview without revealing specific details or proprietary information.

High Performance API

- Developed, optimized and tested RESTful APIs to handle huge volumes of traffic and requests

- with a significant reduction in latency.
- Developed APIs with caching strategies like redis and load balancing using cloud natives like Eureka to enhance performance and reliability.
- Developed secured APIs following best practices for authentication, authorization and data protection.

Microservices Architecture Implementation

- Developed services using the microservice architecture, improving scalability and fault independent services.
- Developed services having great loose coupling and high cohesion as a result of this architecture.
- Developed services revolving around the concept of asynchronous architecture using message brokers like RabbitMQ reducing thread starvation and long waits on synchronous processes.

Database Optimization

- Indexed and optimized both relational and non relational queries with MySQL and MongoDB respectively in applications to improve performance and data load time.
- Implemented transactional queries to improve speed and handle complex manipulation of data.

Integration With Third-Party Systems:

- Gracefully handled integrations with third-party systems with implementations of fail-safe and effective error handling, retries on unexpected results and efficient logging to ensure robustness in external communications.
- Implemented circuit breakers during integrations to prevent blocks and starvation of threads as Java is highly thread dependent.

Cloud Deployment and CI/CD

- Deployed codes in repositories through AWS using instances like EC2.
- Monitored the performance and logging capabilities of applications using Prometheus.