

Ibrahim Musa

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Greetings! Musa is a Software Engineer specializing in the design, development, and maintenance of robust and scalable applications. Proficient in REST APIs, web services, SOAP, JDBC, and the Spring framework. Demonstrated expertise in implementing account switching functionality within enterprise systems, optimizing performance and security. Passionate about leveraging technology to drive business success and enhance user experiences.

EXPERIENCE

Software Engineer(Java Backend)

Sep 2023 - Present

Nigeria Inter-Bank Settlement Systems PLC, Lagos State, Nigeria

- Designed and implemented a scalable metadata processing and streaming solution using Java Spring Boot and Apache Kafka. Developed a system that reads metadata from various sources, cleans and transforms the data, and publishes it to a Kafka topic in JSON format. The solution is capable of handling millions of requests for live streaming applications, ensuring high availability and low latency. I have developed a similar project in my personal GitHub account.
- Implemented robust transaction processing logic, validation mechanisms, and approval workflows to enhance the efficiency and reliability of backend systems
- Designed and developed scalable and maintainable Java-based backend solutions, leveraging Spring Boot and other industry-standard frameworks
- Collaborated with cross-functional teams to identify and address complex business requirements, delivering high-quality, production-ready applications
- Demonstrated expertise in designing and implementing secure and performant RESTful APIs to support various client-side applications
- Contributed to the continuous improvement of the codebase by identifying and resolving technical debt, improving code quality, and implementing best practices

Software Engineer Intern

Sep 2019 - Mar 2020

National University of Singapore Artificial Intelligence Institute, Suzhou, Jiangsu

- Served as a software engineering intern at a leading AI-focused technology company, contributing to the development of cutting-edge machine learning and data processing applications
- Collaborated closely with data scientists, machine learning engineers, and product managers to understand business requirements and design scalable, high-performance software solutions
- Participated in code reviews, testing, and deployment processes, learning industry best practices for developing and maintaining AI-powered software systems

Teaching Assistant

Sep 2018 - Sep 2019

University of Liverpool

- Served as a postgraduate teaching assistant for Java programming courses at the University of Liverpool, supporting undergraduate students in their learning and skill development
- Assisted the Lecturers on hands-on coding workshops to reinforce key Java concepts, such as data structures, object-oriented programming, and algorithm design to undergraduate students.
- Provided one-on-one and small group tutoring to students, helping them troubleshoot issues, optimize their code, and deepen their understanding of Java programming

- Graded assignments, projects, and exams, providing detailed feedback to students to help them improve their Java programming skills
- Demonstrated strong communication and interpersonal skills, as well as a deep understanding of Java programming best practices
- Received positive feedback from students and the course instructor for my ability to effectively explain complex topics and foster an engaging learning environment
- Gained valuable experience in teaching, mentoring, and providing constructive feedback to support the academic and professional development of students

EDUCATION

Msc, Applied informatics(computer science)

Sep 2019 - Jun 2020

University of Liverpool

B.Eng. Software Engineering, Computer Software Engineering Sep 2014 - Jun 2018

Shenyang university of chemical technology

SKILLS

Expert in: Java, Spring Framework, Apache Kafka, Microservices, Postman API Collections

Intermediate in: Docker/Kubernetes

LICENSES & CERTIFICATIONS

Introduction to Agile Scrum, Agile Estimation and Planning

2023

em-ply - EM023212306121

Hadoop Foundations

2019

IBM - https://www.credly.com/badges/ad992520-7c81-4f0b-9945-5085c2438e28/linked_in_profile

Python for Data Science

2019

IBM - https://www.credly.com/badges/cc2b0740-7329-4383-b2f5-6a01cce893a9/linked_in_profile