YUSUF ALAMU MUSA

https://www.github.com/volunux | yusufalamumusa@gmail.com

SOFTWARE ENGINEER

As an Information Technology graduate, I'm a passionate software developer focused on creating innovative solutions that provide value to customers and address business requirements. Devoted to continuous learning and growth, I thrive in collaborative environments where I contribute to the team's goals, delivering high-quality results and value.

EDUCATION

Bachelor in Technology, Information Technology
Federal University of Technology, Minna   *2016 - 2021*

PROFESSIONAL EXPERIENCE

Testifi GmbH, Munich   *Oct 2022 - Oct. 2023*
Intern Java Software Developer , Remote

- Developed data adapters for seamless integration with external systems, including Jira Cloud and Server, Xray API, Jenkins and Bitbucket enabling comprehensive data retrieval and measurement for DORA metrics and code development effort calculations and test management.
- Part of an Agile team that implemented robust algorithms to calculate and visualize critical project metrics and team's performance through sprints to enhance the project and software's decision-making capabilities.
- Strengthened application security by integrating Google ReCaptcha to mitigate DDOS attacks. Implemented security measures based on a comprehensive Web Pentest Report from 360 Digital Transformation, ensuring robust protection and compliance.
- Contributed to the creation of extensive unit tests for project controllers and services, with a focus on meeting Sonar Quality Gate metrics. This commitment to code quality and best practices ensured a robust and maintainable codebase.

Hotels Nigeria Internship
Team Lead, Backend, Remote   *Jun. 2022 - Aug. 2022*

- Led a cross-functional team, collaborating with designers, marketers, and product manager interns to develop "Apply For Me," (backend in Spring Boot) an automated web application simplifying job applications by submitting resumes to multiple job portals on behalf of professionals.

PROJECTS

Fleen Health Service and **Fleen Health UI**

A telehealth web application to make health care easily accessible in developing countries by connecting health care professionals with patients by means of virtual conference. Patients can search to book one-off & recurring sessions with professionals including psychologists, therapists and counselors.

- Developed using Spring framework on the backend and Angular on the UI. Integrates external services including Google Calendar & Meet for creating of events and meeting, S3 for storage of user photos and verification documents, SNS for delivery for email and phone text messages
- Implemented Google Recaptcha and authority based restricted endpoints with JWT
- Developed application API while writing maintainable & scalable implementations.
- Created Paystack and Flutterwave adapters for processing booking of sessions and withdrawal of professional earnings.

Student Score Analyzer

A simple web app to record students examination assessment and calculate student results mean, median and mode

- Developed using Spring Boot and Angular and also documented web endpoints using HATEOAS.

Electronic Thesis Repository System

An online university repository of undergraduate thesis to make project and research materials easily accessible to students and researchers. It is a digital archive to be used for the storage of electronic thesis media records.

- Developed the web app with express.js and implemented data access with TypeORM.
- Implemented application codes using template design patterns to perform data access and object relational mapping.
- Handled transaction management in the service layer using JavaScript object and prototype reference copy which emulates Java Thread Local storage.
- Implemented declarative caching and data access exception handling using decorators.
- Created signed urls for uploading and downloading of media files using AWS S3.
- Used Paystack to process payment and order for thesis.

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript
Frontend & Backend: Angular, Spring Boot, Express.js, Nestjs
Cloud & Database: AWS, Liquibase PostgreSQL, MySQL, MongoDB (NoSQL), Redis, RabbitMQ

HOBBIES

Sports, watching movies, reading and coding