

Adeola Emmanuel, Adekunle

Software Engineer

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🌐 Adeola Adekunle ✖ Adeola_Ade1

👤 PROFILE

As a versatile Software Engineer, I specialize in crafting robust and user-centric applications. With a strong foundation in Java and Springboot, I excel in designing and developing scalable backend systems, including RESTful APIs. I am equally proficient in frontend development, utilizing modern JavaScript frameworks like React (Javascript and Typescript) and VueJs to create dynamic and engaging user interfaces. I am committed to delivering high-quality code through rigorous testing and continuous integration/continuous delivery (CI/CD) practices. I thrive in collaborative environments and am passionate about contributing to innovative projects that drive business growth.

👜 PROFESSIONAL EXPERIENCE

09/2024 – Present
Remote

Emtech Inc.

Backend Engineer

Using Java Spring Boot, I built and maintained scalable backend services powering Emtech's financial and regulatory technology platforms. I worked extensively on designing secure APIs, implementing complex billing and payment workflows, and ensuring system reliability across integrations with third-party services such as payment processors. I also collaborated closely with frontend, DevOps, and product teams to deliver robust, production-ready solutions.

Key contributions included:

- Designing and implementing RESTful APIs for core platform services
- Building and maintaining subscription billing logic with support for multiple payment providers
- Integrating and verifying payment flows (including retries, failure handling, and reconciliation)
- Implementing role-based access control (RBAC) and secure authentication flows
- Writing comprehensive unit and integration tests to ensure reliability and correctness
- Supporting system migrations, database changes, and production issue resolution
- Collaborating cross-functionally to align backend services with business and regulatory requirements

02/2023 – 09/2024
Lagos, Nigeria
(Remote)

Upreviews

Software Engineer

Using Java Spring Boot, I developed the backend for a dynamic movie ticketing and reviews platform, empowering users to seamlessly purchase tickets from partner cinemas while fostering a vibrant community for movie enthusiasts. I also contribute to the Frontend and Cloud development teams.

Features included:

- Seamless ticket purchasing from partner cinemas
- Real-time interaction in forums for movie discussions
- Secure user authentication and payment processing
- Personalized recommendations based on user preferences
- User-friendly movie browsing and showtime selection

11/2023 – 02/2024
Remote

Davu AI

Software Engineer

I spearheaded the adoption of a microservice architecture, enhancing scalability and maintainability. I built a microservice architecture and I worked on the onboarding service both using Java Spring Boot, ensuring seamless user experiences and efficient data management. Leveraging my expertise in Python Flask, I delved into the realm of machine learning, contributing to the development of intelligent algorithms and models. I also played a key role in developing the frontend, building dynamic and responsive user interfaces that enhanced user engagement. By implementing efficient state management and reusable components, I ensured a seamless and intuitive user experience. My work in integrating the frontend with backend services streamlined data flow, improving performance and maintainability. Through my contributions, I drove innovation and efficiency in leveraging technology to advance Davu AI's mission.

07/2022 – 01/2023
Lagos, Nigeria

Crosspoint Finance

Backend Engineer

Utilizing Java (Springboot) and a microservice architecture, my role involved integrating with partner finance institutions, ensuring seamless communication, and optimizing performance. I actively contributed to sprints, daily stand-ups, and collaboration efforts. I prioritized code quality through unit testing and BDD, ensuring reliable software delivery. Using AWS and Heroku, I deployed and scaled applications to meet business needs, driving innovation in financial technology solutions.

PROJECTS

Tour Africa - Travel & Experiences Platform

Backend Engineer

Developed a scalable microservices-based travel platform for the Nigerian market, enabling users to discover and book Events, Short-Stays, and Car Rentals. Built using NestJS and PostgreSQL with event-driven architecture, achieving 99.9% uptime and sub-300ms booking response times. Implemented secure payment processing, KYC verification, and geospatial search serving 10,000+ listings.

Key Technical Contributions:

- API Gateway with authentication/rate limiting, Catalog APIs for events/stays/rentals, Geospatial search (PostGIS), Booking system with Redis-based double-booking prevention
- Multi-PSP integration (Paystack, Flutterwave)

Tech Stack: NestJS, TypeScript, PostgreSQL, PostGIS, Redis, RabbitMQ, Docker, Kubernetes

Trolleva E-Commerce

Backend & DevOps Engineer

- Designed and implemented scalable backend services using NestJS, TypeScript, PostgreSQL, and TypeORM, supporting multi-vendor orders, logistics workflows, payments, and notifications.
- Built secure, production-grade APIs with JWT authentication, RBAC, and robust pagination and query optimization for large datasets.
- Integrated and maintained payment systems (Paystack & Coinbase) with webhook verification, retries, and invoice reconciliation.
- Led DevOps and deployment using Azure App Service and CI/CD pipelines, enabling environment-aware builds, automated deployments, and high production reliability.

SKILLS

Java

Springboot, Thymeleaf, Spring security, Microservices

Database

PostgreSQL, MySQL, MongoDB

NodeJS/NestJS

Typescript, Websocket, Express, Nest

Frontend

ReactJs (and Typescript)