

Boluwatife Adeyemi

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EDUCATION

Fullstack Open – Modern Web Development
Bachelor of Science - Accounting

University of Helsinki
Adekunle Ajasin University

SKILLS

Languages JavaScript | TypeScript | C | SQL
Frontend React.js | React Native | Next.js | TailwindCSS | HTML5 | CSS3 | TanStack Query | Playwright
Backend - DevOps Node.js | Express.js | Docker | Supabase | AWS (S3, EC2) | Azure App Service
Databases MongoDB | PostgreSQL | Prisma

NOTABLE PROJECTS

Bold Data

Payment Processing Backend

- Using Node.js, Express, MongoDB, BullMQ, PalmPay API, Redis, and Mongoose, I built a secure, high-performance backend system for a fintech platform serving over **3,000 users** and processing **500+ transactions daily**, including airtime, data, utility bills, cable TV, and bank transfers.
- Integrated **PalmPay's Virtual Account API** to accept deposits from users, including full webhook handling and auto-disabling of virtual accounts via **BullMQ** job queues—achieving **100% webhook success rate**.
- Developed a comprehensive transaction analytics system, including custom endpoints and a highly optimized **MongoDB schema** with indexes for service type, users, profits, and metadata filtering.
- Designed and deployed a robust **transaction model** with rollback support, statusHistory tracking, fraud detection, and retry logic—ensuring **99.9% transaction accuracy** across all providers.
- Created an **automated notification system** (email/OTP receipts) and integrated emergency shutdown and rate limiting for fraud mitigation—reducing fraud attempts by **95%**. I also implemented core user management features like **transaction PIN setup/update**, profile management, and secure access controls.

SnapCase

Custom Phone Case E-commerce Platform

- Designed and built a modern, full-featured **e-commerce platform** that enables users to create and order **custom phone cases** with live design tools and engineered a smooth **drag-and-drop design interface** with real-time image preview, enhancing the user experience and significantly reducing time to final design.
- Leveraged **Next.js App Router (v14)** and **TypeScript** for high-performance server/client rendering, ensuring scalability and clean architecture for future feature extensions. I also implemented **UploadThing** for secure, efficient image uploads, and used **Sharp** for image optimization — improving image loading speed by **60%** and maintaining high-quality previews.
- Built a strong backend with **PostgreSQL** and **Prisma ORM**, designed for data integrity and relational mapping of users, orders, and design assets; while styling the platform with **TailwindCSS** for a clean, responsive, and modern user interface across all screen sizes. • Used **TanStack Query** to efficiently manage server state, providing lightning-fast data updates and background refetching — keeping the user interface in perfect sync with backend data at all times

EXPERIENCE

Impression

2023 - Present

Software Engineer

Remote - Queens, NY

- Built and maintained fullstack features for a cross-platform mobile application, improving app stability and user satisfaction.
- Refactored and stabilized the signup flow, enabling personalized user experiences through improved data collection.
- Implemented **lazy loading and pagination** for large data sets, significantly improving app performance and load times.
- Contributed to both frontend and backend systems, delivering high-quality UI components and optimized API endpoints.
- Implemented multiple new screens and features, working across both frontend and backend.

100Devs Agency

2021 - 2023

Associate Software Engineer

Remote - Boston, MA

- Collaborated in an Agile environment to design and build modern, responsive **fullstack web applications**.
- Wrote and maintained unit/integration tests to ensure code quality and reduce bugs in production.
- Improved performance and user experience by optimizing frontend code, reducing initial page load time by 30%.
- Participated in code reviews and pair programming sessions, fostering a culture of clean code and shared learning.