

ADEWALE BAMIKEFA

PROFESSIONAL SUMMARY

Full-stack developer with strong frontend sensibility and production level backend experience, building scalable web applications with NestJS, PostgreSQL, and TypeORM. Experienced in designing and implementing RESTful APIs, managing relational data models, and ensuring reliable communication between client and server proficient in HTML, CSS, and modern JavaScript frameworks, with a focus on clean architecture, maintainable codebases, and user-centered interfaces. Comfortable owning features end-to-end from system design to deployment while collaborating closely with cross-functional teams to deliver performant, real-world products.

WORK HISTORY

Backend Engineer, 2025 to Current

FirstFounders' INC - Lagos, Nigeria (Remote)

Languages & Frameworks: Node.js, TypeScript, NestJS

Databases: PostgreSQL, MongoDB, MySQL

Architectures: Modular Monolith, Event-Driven,

Real-Time Systems: WebSockets (Socket.IO), Live Tracking, Notifications

Queues & Workers: Redis Streams

Security: JWT, OAuth2, Passport.js

DevOps & Cloud: Docker, AWS, CI/CD ,(GitHub Actions)

Reliability Patterns: Caching, Rate Limiting, Background Jobs, Monitoring

Tools: Git, Jira, Postman, Swagger, ESLint, Prettier

Key Contributions:

- Engineered scalable backend services using NestJS, TypeScript, and PostgreSQL to power workflow automation, authentication, and high-traffic user operations.
- Built real-time systems using WebSockets for live updates, presence tracking, notifications.
- Implemented secure auth flows using JWT, OAuth2, refresh tokens, and RBAC for multi-role environments.
- Optimized PostgreSQL performance using indexes, migrations, and query tuning for high-volume operations across multiple services.
- Created asynchronous processing pipelines using Redis for email workflows, background sync, and long-running tasks.
- Designed modular, domain-driven service layers enabling maintainability and clear separation of concerns.
- Integrated third-party systems (email providers, authentication modules, external APIs) and implemented AWS S3 file/image upload pipelines with secure presigned URLs and object-storage best practices.
- Contributed to CI/CD and deployment infrastructure using GitHub Actions and Docker, deploying services to Render for automated testing and deployment.

CONTACT

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HIGHLIGHTS

- Javascript
- Reactjs
- TypeScript
- Nextjs
- Supabase
- Nodejs
- Nestjs
- Drizzle ORM / TypeORM
- PostgreSQL / Neon
- Redis
- Restful API
- WebSockets
- Stripe / Paystack Integration
- Git/Github

builds, zero-downtime releases, and scalable hosting environments.

- Wrote unit and integration tests using Jest to ensure code reliability and maintain high test coverage across critical services.
- Collaborated with frontend developers to define API contracts, CI/CD pipelines, and infrastructure requirements.

Full-Stack Developer, 2023 to 2025

Myvamsnet - Nigeria

Skirral (Client Project)

MTrackr (Client Project)

Tech Stack: TypeScript, JavaScript, React.js, Next.js, Redux, React Query

Key Contributions:

- Developed and maintained the **frontend application** using Next.js and Tailwind CSS, delivering a clean, responsive, and user-friendly interface.
- Translated Figma designs and product requirements into **pixel-accurate UI components** and reusable layouts.
- Implemented **state management and server-state handling** with Redux and React Query for efficient data flow and caching.
- Built responsive layouts optimized for mobile, tablet, and desktop devices.
- Integrated frontend flows with backend APIs, handling loading states, errors, and edge cases to ensure smooth user interactions.
- Improved frontend performance and resolved UI-related production issues affecting user experience.
- Implemented payment-related UI flows (wallet, transactions, status updates) by consuming Paystack powered APIs.
- Incorporated user and stakeholder feedback to iteratively improve usability and feature clarity.
- Participated in Agile sprints, standups, and reviews, contributing to frontend planning and delivery.

CozyPay : (Financial Operations & Payout System)

Tech: NestJS, TypeORM, PostgreSQL, Redis, React, Next.js, WebSockets, Webhook , Render.

- Engineered the backend for CozyPay, a financial platform enabling freelancers to withdraw earnings from their in-app wallet to their local bank accounts.
- Built secure wallet operations with transaction-safe balance updates, double-entry logic, and full auditability across user accounts.
- Integrated Paystack for deposits, payouts, and webhook-driven transaction reconciliation, ensuring accurate status syncing and failure recovery.
- Implemented WebSocket channels for instant payout notifications, wallet updates, dispute flags, and transaction status changes.
- Optimized PostgreSQL performance using indexes, migrations, and refined query strategies to support high transaction throughput.
- Designed concurrency-safe withdrawal flows to prevent double spending, race conditions, and inconsistent ledger states.
- Created background pipelines using Redis + BullMQ for payout retries, email receipts, settlement batching, and webhook event processing

queues.

- Deployed services on Render, leveraging automated CI/CD, environment isolation, and scalable hosting for financial-grade reliability.

Miitas (Real-time rider and delivery management system).

Tech Stack: TypeScript, NestJS, TypeORM, PostgreSQL, Stripe API, WebSockets, JWT Authentication, Google Maps API, Redis (caching & job queues), Webhooks, ESLint, Prettier.

- Developed and maintained the Backend of Miitas, a real-time rider and delivery management system.
- Designed and implemented core modules for ride requests, driver assignments, and trip lifecycle management.
- Integrated Stripe with full webhook verification to manage secure rider payments, driver payouts, and wallet transactions.
- Built real-time ride status updates (request → accepted → en route → completed) using NestJS WebSockets.
- Implemented role-based authentication (rider, driver, admin) using JWT with refresh tokens.
- Integrated Google Maps API for trip routing, distance calculations, live driver location tracking, and fare estimation.
- Developed a transaction logging system to maintain full audit trails for payments and withdrawals.
- Designed relational database schema and optimized SQL queries with TypeORM for high performance at scale.
- Implemented Redis-backed queues for background jobs such as notification dispatching and webhook processing.
- Integrated **Firebase push notifications** to alert riders and drivers of ride updates in real-time.
- Wrote **unit and integration tests using Jest** to ensure backend reliability and maintainable code.

FMX : (E-commerce)

Tech Stack:

TypeScript, Next.js, React.js, Redux Toolkit, React Query, Tailwind CSS,

Drizzle ORM (frontend data fetching), Noendb, Clerk Auth, ESLint, Prettier

Key Contributions:

- Developed and maintained the **frontend of FMX**, an e-commerce platform connecting buyers and sellers, using **Next.js and React.js**.
- Implemented **responsive product listing, inventory browsing, and search modules**, including category and keyword filters for smooth user navigation.
- Built **checkout and payment flows** on the frontend, integrating with Paystack APIs and handling real-time order confirmations.
- Designed **real-time order tracking and notifications** using WebSockets for seamless user experience.
- Developed **seller onboarding UI**, including profile verification, store management, and dashboard views.

- Implemented **review and rating system UI** for buyers to provide feedback and enhance trust within the platform.
- Managed **global state and server data** using Redux Toolkit and React Query to ensure consistent and performant interactions.
- Connected frontend components to **Drizzle ORM and Noendb** for secure and efficient data fetching.
- Integrated **Clerk authentication** for secure user signup, login, and role-based access management.

General MyVamsNet Platform Maintenance & Support

Key Contributions:

- Participated in pair programming sessions to improve code quality and foster team knowledge sharing.
 - Worked with Customer Support to debug and resolve user-reported issues efficiently.
 - Collaborated with frontend developers to ensure smooth integration between API endpoints and UI.
 - Worked closely with QA and product managers to resolve bugs and improve reliability.
 - Maintained coding standards using ESLint and Prettier.
 - Used Git, Jira, Slack, Microsoft Teams for Agile task tracking, collaboration, and version control.
 - Participated in Agile ceremonies to plan, review, and deliver features on schedule
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EDUCATION

Higher National Diploma, Computer Science

Federal Polytechnic Offa - OFFA , Kwara State
