ONYEDIKACHI EMMANUEL

Full-Stack Engineer · Node.js · NestJS · Laravel · React · AI Integration

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PROFILE

Full-Stack Engineer with 5 years of hands-on experience building and shipping web applications across Fintech, Edutech, and AI. Strong on backend (NestJS, Node.js, Laravel, PostgreSQL) and frontend (React, Next.js, TypeScript, Livewire). Track record of building payment and wallet systems, multi-tenant architectures, AI-driven automation, and real-time features, often owning both layers of a product.

TECHNICAL SKILLS

Backend: NestJS, Express.js, Laravel (Passport, queues), Node.js, PHP

Frontend: React, Next.js, TypeScript, Tailwind CSS, Livewire, Alpine.js, TanStack Query, Zustand

Databases: PostgreSQL, MySQL, MongoDB, Redis, Prisma, Mongoose

DevOps: GitHub Actions, GitLab CI/CD, Docker, AWS (S3/EC2)

Payments, Real-Time & AI: Paystack, Flutterwave, WebSockets, Pusher, OpenAI API, Puppeteer

Testing & Docs: PHPUnit, Swagger/OpenAPI, Cypress, Playwright, Storybook

PROFESSIONAL EXPERIENCE

Senior Backend Engineer · KodeHauz

Feb 2026 – Present · Remote

- **Auth system:** Architected multi-role JWT authentication with NestJS, covering Admin flows and environment-level secret key verification.
- **Database:** Engineered PostgreSQL/Prisma schemas with full type safety; resolved complex migration conflicts across environments.
- **CI/CD:** Stabilized GitHub Actions pipelines, cutting build failures by 40% through environment configuration fixes.
- **API:** Standardized API documentation with Swagger/OpenAPI for frontend teams across all endpoints.

Senior Frontend Developer · Callik (formerly Alphalli)

Feb 2026 – Present · Remote

- **Customer platform:** Owned the customer-facing side of a multi-sided e-commerce platform (customer, merchant, admin) built with Next.js, React, TypeScript, and Tailwind CSS.
- **Data layer:** Replaced a custom fetch client with Axios and TanStack Query, adding caching, request deduplication, and explicit loading, error, and empty states.
- **State management:** Built a persistent global cart with Zustand and fixed SSR hydration mismatches using a hydration-guard pattern.
- **Design system:** Moved styling to semantic CSS-variable tokens and corrected toast contrast for accessibility across light and dark modes.

Lead Backend Developer · Trarrk (Special Education Platform)

Jan 2024 – Jan 2026 · Remote

- **AI integration:** Built an OpenAI GPT-4o-mini powered IEP generation engine, automating educational goal creation for teachers.
- **Architecture:** Designed a scalable multi-tenant MongoDB system with strict data isolation across organizations, therapists, and parents.
- **Real-time events:** Built a high-frequency behavioral tracking system with automatic student progress updates via custom API.

- **Reporting:** Automated PDF/CSV report generation using Puppeteer and Handlebars for behavioral and assessment data.

Frontend Developer · Cogrea
Apr 2023 – Present · Remote

- **Payment UI:** Built React/TypeScript frontend for a secure payment gateway with Auth0 OAuth2, connecting to a Node.js/FastAPI backend.
- **CI/CD & Cloud:** Managed GitLab CI/CD pipelines and AWS deployments, coordinating frontend releases with infrastructure teams.

Full-Stack Developer · Eduzone
Mar 2022 – Present · Awka, Nigeria

- **Full-stack build:** Built and maintain a tutoring marketplace (300+ teachers, 100+ students, 50 partners) with PHP, Laravel, Livewire, Tailwind CSS, Alpine.js, and MySQL, deployed with Docker.
- **Payments & wallets:** Integrated Paystack, later migrated to Flutterwave; fixed critical wallet transaction bugs with idempotency, ensuring 100% user balance accuracy.
- **Backend:** Laravel Passport authentication, queued jobs, scheduled tasks, form-request validation, and PHPUnit tests.
- **Real-time chat:** Developed a Wirechat messaging system with Web Push notifications, boosting re-engagement by 25%.

NOTABLE PROJECTS

Callik — E-commerce Platform
callik.com

- **Customer-side storefront:** Next.js, React, TypeScript, Tailwind CSS, TanStack Query, Zustand.

Eduzone — Tutoring Marketplace
eduzoneng.com

- **Full-stack:** PHP, Laravel, Livewire, Tailwind CSS, Alpine.js, MySQL, Paystack/Flutterwave, Docker.

Trarrk — Special Education Platform
trarrk.com

- NestJS backend with multi-tenant MongoDB, AI IEP engine, real-time tracking. Tech: NestJS, MongoDB, OpenAI API, Puppeteer.

Cogrea — Career GPS Platform
cogrea.com

- **Tech:** React, TypeScript, Node.js, FastAPI, Auth0, Docker, AWS.

Scuib.AI — AI Job Platform
scuib.com

- AI job matching with a recommendation engine. Tech: Node.js, React, TypeScript, OpenAI API.

EDUCATION

Higher National Diploma — Computer Science
Nov 2023 – Aug 2025

Federal Polytechnic, Oko

National Diploma — Computer Science
Jul 2021 – Apr 2023

Federal Polytechnic, Oko