

O'Brien Adedapo Taiwo

Full-Stack Developer

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PROFILE

Full-stack developer working across TypeScript and Go. Builds products end to end: React, Next.js, and React Native (Expo) on the frontend, NestJS and Go (Gin) on the backend, PostgreSQL underneath. Has shipped multi-tenant SaaS platforms, Paystack and Stripe payment integrations, real-time WebSocket systems, and AI-integrated features. Strongest on frontend, and works best owning the full slice from UI to database.

TECHNICAL SKILLS

Frontend: React, Next.js, TypeScript, Tailwind CSS, Redux, Zustand, TanStack Query, React Hook Form, Zod

Mobile: React Native, Expo (Expo Router)

Backend: NestJS, Node.js, Express, Go (Gin), REST APIs, GraphQL, WebSockets (Socket.IO)

Databases & ORMs: PostgreSQL, MongoDB, MySQL, Redis, TypeORM, Prisma, Drizzle, GORM

Payments & Services: Paystack, Stripe, Cloudinary

Tools: Docker, Git, Mocha

EXPERIENCE

Frontend Developer | Atlantic Fenders & Support Services (Contract) Nov 2025 - May 2026

- Returned for phase two of a maritime ERP platform, building scheduling interfaces with multi-view calendars, advanced data tables, and analytics dashboards (Next.js, TypeScript, FullCalendar, TanStack Table, Chart.js).
- Implemented document generation workflows: styled PDF and Excel exports with QR-coded records (jsPDF, xlsx).
- Built rich text editing and media management features used across the platform's core modules (Quill, Cloudinary).

Backend Developer | HNG Internship Oct 2025 - Dec 2025

- Progressed through a 10-stage backend program of individual and team projects with weekly production deadlines.
- Built a wallet service with Paystack payment integration, API key management, and HMAC-SHA512 webhook signature verification (NestJS, PostgreSQL).
- Built an image-processing microservice with asynchronous queue-based processing, implemented in parallel in Node.js and Go.

Frontend Developer | Atlantic Fenders & Support Services (Contract) Sep 2024 - Jun 2025

- Joined the initial build of the maritime ERP system, developing responsive frontend interfaces for its operational modules (Next.js, TypeScript, Tailwind CSS).
- Established the frontend service architecture: a typed API gateway, TanStack Query data layer, and Zod-validated forms that phase two later built on.

Frontend Developer | Department of Computer Science, FUNAAB Sep 2024 - Feb 2025

- Developed a library administration platform from the ground up, working with a backend developer and a UI/UX designer.
- Built dashboard interfaces with data visualization and modular, reusable components.

Frontend Web Developer | Exceleron Technologies Ltd (Contract) Nov 2024 - Jan 2025

- Developed and maintained the company's frontend web application, working directly with the CTO to deliver the project on schedule.

SIWES Intern | ICT Resource Centre, FUNAAB Aug 2023 - Jan 2024

- Supported ICT staff in daily technical operations and digital administration while building web development fundamentals.

- Completed weekly frontend projects under tight deadlines, collaborating with backend developers and designers.

PROJECTS

Proctura | *Online coding-exam platform for universities (Go, Gin, GORM, PostgreSQL, Redis, Next.js, TypeScript)* | **GitHub:** [backend](#), [frontend](#)

- Multi-tenant platform (subdomain routing, row-level isolation) where lecturers set coding exams and students solve them in an in-browser Monaco editor, with role-based access for admins, lecturers, and students.
- Built code execution via Judge0 and an asynchronous grading queue (async + Redis).
- Implemented an anti-cheat system (tab-switch, blur, and clipboard detection with three-strike auto-submit) and webcam session recording uploaded to Cloudinary or MinIO with signed tokens.

Sliik | *Two-sided beauty and grooming booking marketplace (React Native, Expo, NestJS, PostgreSQL, Drizzle)* | **GitHub:** [backend](#), [mobile](#)

- Mobile marketplace where customers book hairdressers, barbers, and other providers; built both the Expo app and the NestJS backend.
- Implemented availability-aware slot computation with booking-conflict checks, and Paystack checkout with commission-split payouts to provider subaccounts.
- Built real-time in-app chat and notifications over WebSockets, Expo push notifications, mutual reviews, and customer-initiated bargaining plus provider flash-deal flows.
- Verified each feature phase with end-to-end Playwright browser tests and API smoke tests driven against the real backend, catching production bugs that type checks and linting missed.

Proposly | *AI proposal SaaS for freelancers (NestJS, PostgreSQL, TypeORM, Next.js, Tailwind CSS)* | **GitHub:** [backend](#), [frontend](#)

- Full SaaS covering JWT auth with Google OAuth and email verification, client management, and proposal workflows.
- Integrated AI proposal generation and inline rewrites (Claude) into a TipTap rich text editor with auto-save, plus PDF export and send-to-client email.
- Built subscription billing with both Stripe and Paystack: checkout, webhooks, and customer portals.

OPEN SOURCE

eas-preflight | *GitHub Action that catches JS bundle-size regressions on Expo and React Native pull requests (TypeScript)* | [GitHub](#)

- Measures the JS bundle on every PR, compares it against the base branch, and posts a diff comment with a configurable failure threshold. MIT licensed.

create-express-app | *npm CLI that scaffolds production-ready Express + TypeScript projects (Zod, Pino, ESLint, Jest, optional Docker)* | [npm](#), [GitHub](#)

- Generates a typed, modular project with a choice of MongoDB, PostgreSQL (Prisma or Drizzle), or SQLite. Over 1,600 downloads on npm.

EDUCATION

Bachelor of Science (B.Sc.), Computer Science | Federal University of Agriculture, Abeokuta, Nigeria | 2021 - 2024

CERTIFICATIONS

- [HNG Backend Development Certificate](#) | HNG | 2025
- [JavaScript Algorithms and Data Structures](#) | freeCodeCamp | 2023
- [Responsive Web Design](#) | freeCodeCamp | 2023

INTERESTS

Movies, series, and anime | Music | Football | Emerging technologies