EMMANUEL AONDOHEMBA

Software Developer | Full-Stack Web & Mobile Engineer

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PROFILE

Software developer and final-year Computer Science student who builds and ships complete products: an academic platform with an AI tutor, a live fashion e-commerce store, a fintech platform frontend, and a multi-domain travel booking system. Strong across the TypeScript/React ecosystem, Expo/React Native, PostgreSQL data modelling, platform admin tooling, and Python/FastAPI services.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL, HTML, CSS

Frontend & Mobile: React, Next.js, React Native, Expo, Expo Router, Tailwind CSS, shadcn/Radix UI

Backend & Data: FastAPI, REST APIs, Prisma, PostgreSQL, Convex, Redis/Upstash, PyMuPDF, pdfplumber

Cloud, AI & Tools: Groq, BGE embeddings, Clerk, Firebase, Paystack, Cloudflare R2/S3, Modal, Vercel, Resend, Cloudinary, Git/GitHub, Figma

PROFESSIONAL EXPERIENCE

Lead Frontend Engineer | Edgeworth

Jun 2026 – Present

- Lead frontend engineer for Edgeworth, a capital-allocation and copy-trading platform. I own the entire web frontend, built with Next.js, TypeScript, Tailwind CSS and shadcn/ui.
- Built the complete trading web experience from the design team's Figma system: portfolio dashboard, wallet, copy trading and trader discovery, trade history and allocation flows, plus sign-in.
- Also built the public marketing site, waitlist and the admin CMS, owning responsive, mobile-first delivery and frontend quality across the platform.

Python Programmer Intern | Greg & Co ICT Hub, Makurdi

6-month internship

- Wrote, reviewed and maintained Python code in an ICT development environment, working with practical scripts and existing codebases.
- Strengthened debugging, code organisation and problem solving through day-to-day development work.

SELECTED PROJECTS

Studora | Academic Social & AI Study Platform

2026

Next.js • TypeScript • PostgreSQL (Prisma) • Convex • Clerk • Groq AI • Expo/React Native

- Designed and built Studora end to end: a full-stack academic platform combining course resources, social feeds, discussions, messaging, profiles and subscriptions, with AI study tools: Sage AI tutor chat, quizzes, summarisation and assignment analysis.
- Developed the companion Expo/React Native app: authenticated social and resource flows, AI tools, PDF and Markdown/KaTeX rendering, notifications and persisted server state.
- Built the admin dashboard for courses, faculties and departments, resources, submissions, reports, payments, plans and subscriptions, content and settings.

Studora PDF Processing Service | Document Intelligence Pipeline

2026

Python • FastAPI • PyMuPDF • pdfplumber • BGE embeddings • Modal • PostgreSQL

- Built the Python service behind Studora's document pipeline: PDF extraction, section detection, chunking, structured summaries and OCR-required detection, with 384-dimension BGE embeddings for AI retrieval.
- Added duplicate-processing locks and progressive status handling for reliable, memory-efficient processing of large documents.

HDC Wears | Live Fashion E-Commerce

Live: highdreamchasers.com.ng

Next.js • TypeScript • Firebase (Firestore, Auth) • Paystack • Resend • Cloudinary

- Own and operate a live fashion e-commerce storefront in production, taking real customer orders end to end: catalogue, cart and checkout, Google sign-in, customer accounts and order history.
- Designed the payment integrity model: order status is confirmed only server-side through Paystack webhooks and verification, with idempotent confirmation so a payment cannot be forged from the client or counted twice.
- Built the operations layer: an admin operator dashboard for order management, role-based admin access, and automated customer emails at every order status change.

FirstBookings | Travel Booking Platform

Live: firstbookins.com

Next.js • TypeScript • Prisma • PostgreSQL • Clerk • Paystack • PDF tickets • Barcode generation

- Designed a multi-domain booking system spanning stays, flights and road travel, with operators, passengers, payments, discounts, locations and full booking lifecycle states.
- Shipped the live Nigeria-first road booking product: route search, a departure board comparing operators, times, vehicle types, seats and fares, Paystack checkout, and barcode e-tickets verified at terminal boarding.
- Built booking sessions and pricing logic, payment return-state handling, booking history flows and downloadable PDF tickets.

ADDITIONAL PROJECTS

GetAway – travel discovery web app (Next.js, installable PWA) • **Prext ERP** • **Schola Hub / ERP** • **Qlink** • Parish Companion app for a Makurdi cathedral parish

EDUCATION

B.Sc. Computer Science | Moses Orshio Adasu University, Makurdi — Expected Summer 2027