

OGU EMMANUEL

Software Developer | React | Next.js | TypeScript | Node.js

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SUMMARY

Software developer with close to two years shipping production applications, remote from day one. Frontend on a live cross-border remittance app with 500+ Google Play downloads, and sole developer on a retailer's e-commerce platform and the offline-first point of sale running on their shop floor. Builds full-stack in TypeScript across Next.js, Node.js, PostgreSQL and SQLite, and designs for the constraints of the market in front of him: low card penetration, mobile data, and networks that drop mid-transaction.

EXPERIENCE

Software Engineer, SendAfrika Ltd

Lagos, Nigeria | Remote, Full-time | Jan 2025 to Present

Cross-border remittance and peer-to-peer currency swapping app, live on Google Play with **500+ downloads**.

- Build and maintain the reusable React component library behind the product, so the same input, confirmation and error surface behave identically everywhere they appear
- Own core frontend modules end to end, including component architecture and state management, rather than working ticket to ticket
- Design for the failure states that matter in money movement: a rate moving mid-flow, failed verification, an upstream call that half-succeeds
- Integrate REST APIs against real service behaviour rather than documented behaviour, handling what they actually return
- Deliver on schedule across a Ghana to Nigeria async team with zero co-location

Full-Stack Developer, Hello Athena

Accra, Ghana | Hybrid, Freelance | May 2026 to Sep 2026

Sole developer on a fashion retailer's e-commerce platform and in-store point of sale. Both delivered.

E-commerce platform — live at helloathena.live

- Took a Next.js App Router storefront from empty repo to production on its own domain, with no team and no handover
- Designed and deployed a serverless PostgreSQL schema on Neon covering products, users, orders and saved items, powering a live catalogue of **587 products**
- Shipped customer auth, saved items, collections and filtering, plus an authenticated admin the owner uses to list stock and update pricing without a developer
- Routed ordering through the WhatsApp Business API so customers order without an account and the shop closes payment in the conversation it already runs. Chosen over a card gateway because card penetration is low locally and a checkout nobody completes is worse than no checkout
- Full technical SEO: JSON-LD product schema with live price and availability, per-product Open Graph images generated on the fly, sitemap and robots.txt, since almost all inbound traffic arrives from shared links
- Migrated SQLite to Neon Postgres after the local database proved wrong for serverless, fixing connection handling before it became a production problem

Offline-first retail POS — open source

- Built the till the shop floor rings up real sales on, using Prisma over SQLite so every sale writes locally and trading never depends on the network
- Implemented direct printing to 58mm thermal hardware, formatted for the paper width rather than scaled down from an A4 layout
- Recorded cash, card and mobile money against each sale with a timestamp, while the money itself moves on the bank terminal. Being explicit about that boundary kept the system simple and the books accurate
- Dropped Electron for a lightweight Windows launcher after its bundle and storage footprint proved disproportionate to a single-purpose till
- Built a local admin panel breaking sales down by payment method and time, so the owner reconciles a day without exporting anything

Frontend Developer, JSSolutionsHub

Ashanti Region, Ghana | Remote, Part-time | Mar 2025 to Aug 2026

- Delivered responsive React, Next.js and Tailwind interfaces for live client sites over an 18-month engagement, from Figma handoff to production, while holding a concurrent full-time role
- Integrated REST APIs for dynamic data rendering and real-time user interactions
- Reviewed teammates' pull requests and standardized component patterns, cutting the duplicate one-off components that accumulate across client work

PROJECTS

Kelly's Eatery | Next.js, TypeScript, Tailwind CSS, WhatsApp API

Online kitchen ordering site for a food business in Accra. Live at kellys-eatery.vercel.app

- Built a 25-dish daily menu across four categories, with per-item availability so the kitchen marks dishes sold out without a developer
- Implemented a cart with quantities, extras and a running total in cedis that composes into a prefilled WhatsApp message, so order accuracy does not depend on the customer typing it correctly
- Made opening hours a first-class state rather than letting customers place orders nobody will cook
- Separated bulk catering orders, which need a day's notice, from the daily menu path

Ghana School Feeding Management System | React, Express, MySQL

- Digitized supplier tracking and delivery logistics for the Ghana School Feeding Programme, replacing paper records that made it impossible to tell which schools had actually received deliveries
- Built a real-time analytics dashboard giving administrators same-day supply-chain visibility, replacing manual reconciliation after the fact
- Designed a normalized MySQL schema linking supplier records, shipment timelines and school allocations so a missed delivery is traceable to its source
- Built the UI to stay usable on a low-bandwidth mobile connection, since that is what field staff actually use

AI Research Repository | React, Node.js, Tailwind CSS, LLM APIs

- Built a full-stack platform that lets students discover, summarize and organize academic papers and past exam questions in one place, turning hours of manual searching into minutes
- Integrated third-party AI APIs behind structured Node.js REST endpoints, keeping model calls server-side and off the client
- Architected a reusable React component library shared across search, summary and library views, so new views ship without new UI code

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), SQL, C++, C#, HTML5, CSS3

Frontend: React.js, Next.js (App Router, Server Components), Tailwind CSS, Vite, Responsive Design, Web Performance, Technical SEO

Backend & Data: Node.js, Express.js, Prisma, REST API Design, PostgreSQL (Neon), SQLite, MySQL, MongoDB, Schema & Data Modelling

Tools: Git, GitHub, Figma, Postman, VS Code, npm, Vercel

Practices: Component Architecture, State Management, Offline-First Design, Code Review, Async Remote Collaboration, Agile

EDUCATION

B.Sc. Computer Science, Catholic University of Ghana

Graduated 2025

Coursework: Data Structures & Algorithms, Object-Oriented Programming, Software Engineering, Database Management Systems, Computer Networks, C++, .NET Framework