

DANIEL OKAFOR

Backend & Full-Stack Engineer

Lagos, Nigeria | bucheed@gmail.com | +234 816 976 9575 | buchman.xyz | [GitHub](#) | [LinkedIn](#)

PROFESSIONAL SUMMARY

Backend-focused Full-Stack Engineer building production systems for two live companies: a multi-sided commerce marketplace and an engineering-services platform. At Plug24, I own the full commerce and logistics stack; a multi-role order-lifecycle API, internal catalog and operations consoles, a WhatsApp AI shopping assistant, and the customer storefront. At Fixr, I built the marketing site and a tool-calling AI assistant for appliance servicing. For my own projects, I default to a standardized Express, Drizzle, and PostgreSQL stack with JWT auth and Zod validation, and I own deployment end to end on a self-managed VPS with Docker and nginx.

TECHNICAL SKILLS

Backend: Node.js, Express.js, REST API design, multi-tenant architecture, JWT/OTP authentication, BullMQ background jobs, Drizzle ORM

Databases & Caching: PostgreSQL + Drizzle (personal/standard stack), MySQL (Knex, production systems), Redis, Upstash Redis, query optimization, transaction-safe processing (row-level locking)

AI Systems: OpenAI (GPT-4o), LangChain, Vercel AI SDK, Pinecone & Chroma (Vector DBs), RAG architectures, tool-based agent design

Integrations: Paystack, Twilio, WhatsApp Cloud API, Firebase, Algolia, Google Maps/Places API, Supabase

Frontend: React, Next.js (Pages & App Router), TypeScript, Tailwind CSS, TanStack Query, React Hook Form, Jotai

DevOps & Tools: Git, GitHub Actions, Docker, Linux/CLI, Vercel, VPS deployment & nginx configuration (Interserver)

Languages: JavaScript (ES6+), TypeScript, SQL

PROFESSIONAL EXPERIENCE

Software Engineer - Full-Stack Systems - Plug24 2025 - Present

Build and ship the core systems behind Plug24, a live on-demand marketplace: the backend API, internal catalog and operations consoles, an AI WhatsApp shopping assistant, and the customer storefront.

Plug24 API

- Built the multi-sided commerce and logistics backend on Express, running the full order lifecycle across customer, vendor, retailer, partner, and driver roles
- Backed by MySQL/Knex with Redis-powered Bull/BullMQ job queues
- Integrated Paystack (payments), Twilio (OTP), Firebase (notifications), and Algolia (search) behind layered JWT and scoped API-key auth
- Set up auto-generated Swagger docs and GitHub Actions CI

Plug24 Catalog Console

- Built the catalog and data-management console (Next.js, React Query) for curating the product/category catalogue and managing vendors and retailers behind role-gated routes
- Authored rich product content with a TipTap editor; forms validated with React Hook Form and Zod

Plug24 Ops Console

- Built the operations dashboard (Next.js, TanStack Query, Chart.js) covering user, order, product, logistics, and transaction management, tracking the full order-to-dispatch lifecycle

Plug24 Bot - AI Shopping Assistant

- Architected an AI assistant enabling natural-language purchases over WhatsApp
- Used LangChain agents and OpenAI with a Pinecone vector store for RAG product search, plus stateful conversation memory tracking carts and quantities through multi-step checkout
- Built in TypeScript with MySQL/Knex and Upstash Redis

Plug24 Storefront (Live)

- Built the customer-facing storefront: a Next.js 15 PWA on React 19 and Tailwind, with category browsing, catalog search, cart, and Paystack checkout
- Integrated Google Maps delivery addresses, OTP auth, and web push notifications
- Jotai for client state, TanStack Query for server data, Zod for validation; deployed on Vercel

Software Engineer - Full-Stack / AI Systems - Fixr2025 - Present

Fixr is an engineering-services platform for homes and businesses spanning solar energy, HVAC, electrical, fibre and networks, CCTV, and smart-home automation. Built its marketing website and an AI assistant that books and manages appliance servicing conversationally.

Fixr Website (Live)

- Built the company's marketing site pixel-perfect from Figma across every service and solution line
- Next.js site with Framer Motion and GSAP animation, Supabase-backed content, Leaflet maps, embedded video, and on-the-fly PDF generation, backed by an image-optimization pipeline and analytics

Fixr Bot - AI Servicing Assistant

- Built a tool-calling AI assistant that lets customers handle appliance servicing in natural language: registering appliances, matching categories, scheduling technician inspections, and driving subscription checkout via Paystack
- Delivered RAG answers over a Pinecone and Chroma knowledge base
- Built in TypeScript on the Vercel AI SDK and LangChain, with MySQL/Knex and Upstash Redis conversation memory

FRONTEND & FULL-STACK EXPERIENCE

Frontend Developer - HNG Tech, Remote Oct 2025 – Dec 2025

- Built and optimized 15+ responsive web applications in React/TypeScript; led the JavaScript-to-TypeScript migration across 50,000+ lines of code, reducing runtime errors by 35%
- Implemented a testing strategy with Jest and React Testing Library, reaching 85% coverage and cutting production bugs by 45%

Frontend Developer - NexaScale, Remote Oct 2023 - Feb 2024

- Built 10+ customer-facing features (Vue, Nuxt, Tailwind) and integrated REST/GraphQL data sources
- Developed a reusable component library with Storybook documentation, cutting new-feature development time by 30%

Junior Frontend Developer - Enoverlab, Remote Mar 2023 - Jun 2023

- Built interactive UI components for an e-commerce platform serving 50,000+ monthly users; converted Figma designs to cross-browser pages with 98% design fidelity

PERSONAL PROJECTS

buchman-snip - Published, 2026

Node.js, CLI, npm, TypeScript

Published npm CLI package, my early capstone. Built to prove the full loop: authoring a package, versioning it, and shipping it to a public registry for anyone to install.

Standard API Template - Shipped, 2026

Express, Drizzle, PostgreSQL, JWT, Zod

My standardized backend starter for every new service: a production-shaped Express + Drizzle + PostgreSQL template with JWT auth, Zod validation, and cors/helmet/morgan wired in, based on API Design in Node.js v5.

Audiophile E-Commerce

React, TypeScript, Redux Toolkit, Convex

Built an admin dashboard for inventory, orders, and analytics with real-time data visualization over 10,000+ item datasets; implemented the backend using Convex.

Inventrix

Next.js, Tailwind CSS

Built category management with auth, real-time updates, and drag-and-drop; deployed on Vercel with CI/CD, achieving a 95+ Lighthouse score.

EDUCATION

Bachelor of Engineering, Industrial and Production Engineering

Nnamdi Azikiwe University, Awka, Anambra - April 2023

Diploma in Software Engineering (Frontend)

AltSchool Africa, Lekki, Lagos - April 2023

CERTIFICATIONS

- Frontend Developer Professional Certificate - AltSchool, 2023
- HNG Certified Frontend Developer Finalist - HNG, 2025
- Complete Intro to Containers, v2 - Master.dev (formerly Frontend Masters), 2026
- API Design in Node.js, v5 - Master.dev, 2026
- Introduction to Node.js, v3 - Master.dev, 2026
- Complete Intro to Linux and the Command-Line - Master.dev, 2026
- React Native, v2 - Master.dev, 2026
- React Native, v3 - Master.dev, 2026