Oluwatobi Ayoola Jolaosho

BACKEND SOFTWARE ENGINEER | NODE.JS & TYPESCRIPT

ayoola.oluwatobi.dev@gmail.com | Portfolio: https://oluwatobi-motion-portfolio.vercel.app/
github.com/codeironside | linkedin.com/in/oluwatobi-jolaosho

PROFESSIONAL SUMMARY

Backend software engineer experienced in designing and maintaining TypeScript/Node.js APIs, multi-tenant SaaS, transactional inventory, digital wallets and payment integrations. Builds secure business workflows with database transactions, Redis-backed sessions, webhook verification, role-based access control and automated production delivery.

TECHNICAL SKILLS

Backend: TypeScript, JavaScript, Node.js, Express, NestJS, Hono, Bun, REST APIs, Zod

Databases: PostgreSQL, MongoDB, MySQL, SQLite, Redis, Drizzle, Knex, Sequelize

Architecture & security: Multi-tenancy, database transactions, idempotency, RBAC, authentication, webhooks, session management

Delivery & testing: AWS EC2, Docker, CircleCI, GitHub Actions, Nginx, Cloudflare Workers/D1, Vitest, Supertest, Playwright

PROFESSIONAL EXPERIENCE

Ajeoba Agro Exchange | Software Developer

Mar 2025 - Present | app.ajeoba.com | ajeoba.com

React, MUI, Redux, Node.js, Knex, Redis, AWS EC2, Monnify

- Restored a non-functional production codebase, refactored core flows and replaced deprecated dependencies to improve maintainability and performance.
- Maintain the main branch and deliver backend features across KYC, administration, wallets, logistics and Monnify payments using Node.js, Knex and Redis.
- Built AWS EC2 deployment pipelines and resolved staging Nginx/SSL issues while supporting production maintenance.

SELECTED TECHNICAL PROJECTS

Vendavero | Full-Stack Product Development

Nov 2026 - Present | vendavero.com | Next.js, React, TypeScript, Node.js, Express, MongoDB, Redis, LangGraph, AWS EC2, CircleCI

- Engineered multi-tenant inventory workflows for receiving, transfers, sales, returns and stock adjustments using MongoDB transactions and branch-scoped access.
- Implemented offline draft reconciliation with conflict detection and a staff review queue before inventory changes are committed.
- Built payment reconciliation with signed webhooks, idempotent processing, stock reservations and expiry handling, including late payment scenarios.
- Implemented Redis-backed sessions and branch-level authorization; connected WhatsApp workflows to inventory and sales services.
- Configured CircleCI deployment to AWS EC2 with readiness checks and backend rollback.

SELECTED PROJECTS (CONTINUED)

Anambra Life | Full-Stack Developer

anambralive.com | React, TypeScript, Three.js, Node.js, Express 5, MongoDB, Paystack, Playwright

- Implemented transactional wallets, balanced ledgers, escrow, refunds and retry protection, with Paystack checkout, signed webhooks and server-side verification.
- Built typed Express 5 APIs, MongoDB persistence, Google sign-in, separate player/staff sessions and role-based access control.
- Added API, frontend unit and Playwright browser tests for a 3D simulation with commerce and social workflows.

PAYEASY-API | Backend Engineer

Node.js, TypeScript, PostgreSQL, Redis, Paystack

- Built a headless QR shopping API integrating Redis session carts, Paystack checkout, receipts and PostgreSQL/JSONB transaction records.

Guardget | Founder / Backend Engineer

Multi-tenant SaaS, RBAC, subscriptions

- Implemented device registration, theft reports, anti-sale locks, ownership transfers and recovery workflows with role-based dashboards.

GoLodge | Full-Stack Developer

Next.js, Bun, Hono, Better Auth, Drizzle, PostgreSQL, Redis

- Built a rental marketplace with property discovery, booking, host tools and maps, supported by a Bun/Hono API and authenticated data access.

WA Stores | Backend / Platform

Hono, Cloudflare Workers/D1, Next.js, Zod

- Developed WhatsApp commerce tools for inventory, orders, payment links and merchant dashboards, with Worker APIs across a landing, dashboard and admin monorepo.

Pas2me | WhatsApp Commerce Bot

pas2me.com | Express, TypeScript, Baileys, SQLite, Drizzle

- Built customer chat workflows for product search, carts, checkout, order tracking, cancellation and reordering with Monnify, wallet and bank-transfer options.
- Implemented merchant workflows for stock, orders, reporting, refunds, staff invitations and wallet top-ups and withdrawals.

My Story Hat | Founder / Full-Stack Engineer

Node.js, Express, OpenAI, Google Imagen/Veo

- Built personalized multimedia storybook workflows combining AI text, images and video, using asynchronous jobs and exponential backoff for rate limits.

Additional projects: Vamvamvam AI (modular Express backend); CoreLabs (wallets and commerce); Broadcasterbot (Redis-backed messaging).

LEADERSHIP

Google Developer Student Club, AFIT | First Community Manager

Founded and grew the campus developer community, organizing software engineering, embedded systems and collaborative projects. Also served as Mechatronics Engineering course representative.

EDUCATION

B.Eng. Mechatronics Engineering | Air Force Institute of Technology

Second Class Upper Honours (2:1) | Embedded systems, automation, C++, Python, MATLAB