

Alabi Ayobami

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Portfolio

Lagos, Nigeria - Open to Remote

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Dart, SQL, Bash.

Frontend: React 19, Next.js 15/16, Redux Toolkit & RTK Query, Tailwind CSS, shadcn/ui, Vite, React Router, Turborepo, React.lazy + code-splitting, accessible responsive UI, Core Web Vitals / Lighthouse.

Backend & Infra (working knowledge): Node.js, Supabase (Postgres, RLS), REST APIs, Flask/FastAPI, Docker, AWS S3/CloudFront, Vercel, GitHub Actions CI/CD.

EXPERIENCE

Founding Full Stack Engineer

Nov 2025 - Present

Travloop

travloop.io

- Led full-stack development of a travel group-booking platform from concept to launch (Next.js 15, TypeScript, Supabase with Postgres + RLS), including a dual-model trip system for instant bookings and join-now-pay-later coordination.
- Built the payments UI and infrastructure with Paystack: server-side price re-validation, a 24-hour early-bird grace window, and an automated 30/40/30 installment tracker.
- Designed an LLM-powered chat assistant for natural-language trip search and custom trip creation, with structured inline results and a server-side proxy behind Supabase auth.

Full Stack Engineer

Jan 2025 - Nov 2025

Scholar Cloud (Dualmind Tech Consulting)

- Led frontend architecture for a multi-tenant school-management SaaS: role-based workspaces (admin, school admin, teacher) in React 19 + TypeScript + Redux Toolkit (RTK Query) inside a Turborepo monorepo.
- Engineered modular code-splitting (React.lazy + Vite manualChunks) so each role ships a lean, independent bundle with fast load times.

Software Engineering Intern (2 batches)

Sept 2022 - Dec 2023

8th Gear Partners Limited

Ikeja, Nigeria

- Shipped responsive, accessible production React apps for portfolio companies from Figma designs; invited back for a second batch on performance.
- Lifted Lighthouse performance 30%+ on two client projects via code-splitting and asset optimization; standardized CI/CD with automated staging previews and cut onboarding from 3 days to under 1 day with setup guides.

PROJECTS

Cairn (GitHub) | Next.js 16, PostGIS, Prisma, AWS S3, Supabase Auth

June 2026

- Built a location-anchored memory-sharing UI with a custom Dijkstra shortest-path routing engine in TypeScript (nearest-node snapping, edges under 500m) backed by PostGIS spatial queries with GIST indexing.
- Implemented a zero-dependency AR compass from browser primitives (getUserMedia + DeviceOrientation) with great-circle bearing math; S3 pre-signed uploads bypass the Next.js server entirely.

EchoLLM (GitHub) | Flutter, Dart, C++, llama.cpp, GGUF

2025 - Present

- Published privacy-first mobile LLM app on Snap Store; engineered the Flutter UI plus a C++ FFI bridge to llama.cpp managing thread safety for long-running inference.
- Q4_K_M quantization for <1.1GB footprint and ~20 tokens/s on consumer hardware.

Themis (GitHub) | Next.js 15, Flask, PostgreSQL, Docker, Fly.io

March 2026

- Designed an auto-insurance underwriting API (Flask app factory, 7 relational models) with a /records/lookup endpoint aggregating 6 Nigerian public-record sources, fronted by a Next.js dashboard.
- Dockerized and deployed behind Gunicorn with API-key auth, pagination, and automated migrations; built a deterministic synthetic-data generator across LOW/MODERATE/HIGH risk tiers.

EDUCATION

University of Lagos

Expected 2026

B.Sc. Technology Education (Automobile Technology) - Lagos, Nigeria

Relevant Coursework: Engineering Mathematics, Applied Physics, Computer Science Fundamentals