

IFIDON ABRAHAM AYOMIDE

Full-Stack & AI Developer | Founder, Fonia Labs

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SUMMARY

Full-stack and AI developer and founder of Fonia Labs: 3+ years of self-directed engineering, 10+ production apps shipped across real estate, logistics, procurement and weather safety. Builds with Next.js, React, TypeScript, Node.js, PostgreSQL/Supabase and LLM tooling. Computer Science student (200 Level), UNILAG, class of 2028.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python, Java, C#, C, SQL
Frontend	Next.js 15, React 19, Tailwind CSS v4, shadcn/ui, Framer Motion, HTML/CSS
Backend & APIs	Node.js, Express.js, NestJS, Next.js Server Actions, Python (FastAPI), REST APIs
Data	PostgreSQL, Supabase (Row-Level Security, tsvector full-text search), Prisma, MongoDB, SQLite
AI & ML	Vercel AI SDK, LangChain.js, OpenAI / Anthropic / Gemini / NVIDIA / OpenRouter APIs, multi-agent pipelines, prompt engineering, ML.NET
Mobile & Desktop	Expo (React Native), C# / .NET 8, WPF
DevOps & Testing	Vercel, Render, Docker, GitHub Actions, Git, Playwright (end-to-end testing)

EXPERIENCE

Fonia Labs | Founder & Lead Developer, Lagos, Nigeria 2024 – Present

fonialabs.vercel.app • *Technology group building products across multiple industries*

- Founded and lead Fonia Labs; designed, built and shipped 10+ production applications across real estate, logistics, compliance, health technology and weather intelligence.
- Own the full product lifecycle solo, from problem identification and requirements analysis through architecture, development, testing, deployment and iteration.
- Make the technical decisions on software architecture, databases, APIs, authentication, integrations, security and deployment; built and maintain the Fonia Labs portfolio hub.

FonTech | Software Production & Digital Services (software arm of Fonia Labs) 2024 – Present

fontech-site.vercel.app

- Built the FonTech agency website presenting development services for 12+ industries: web apps, mobile, e-commerce, AI integrations, branding and security.
- Deliver freelance WordPress web design for clients on Fiverr under the FonTech brand.

KEY PROJECTS

Fonia | Local-First AI Agent

Fonia Labs

- Building Fonia, a local-first AI agent developed under Fonia Labs.

StormBridge AI | Operational Weather Intelligence 2025

github.com/ifidonabraham/stormbridge • *Next.js, TypeScript, Supabase, NVIDIA AI, Open-Meteo*

- Architected a multi-agent AI pipeline covering weather risk checks, AI safety guidance, community hazard reports, responder coordination, escalation and translation.
- Engineered for resilience with structured JSON agent outputs, deterministic fallbacks and offline-ready alert cards, so the platform keeps working when an AI provider fails.
- Integrated Open-Meteo weather data and NVIDIA AI services with a Supabase-backed data layer.

OmegaEstate | Nigerian Real Estate Marketplace 2025 – Present

omegaestate.homes • *Next.js 15, React 19, TypeScript, Supabase, Tailwind CSS v4, Vercel, Playwright*

- Built and deployed a live full-stack real estate marketplace supporting property discovery, listings, messaging, notifications and role-specific workflows.

- Designed role-based authentication and database access-control policies separating property owners, agents and buyers.
- Implemented global full-text search with Postgres tsvector and rich listings of up to 10 images and 3 videos each.
- Created a ghost-account system for admin-driven platform seeding, and validated critical user flows with Playwright end-to-end tests.

SMAID | Campus Grocery Queue & Delivery Platform

2025 – Present

[smaid.vercel.app](#) • *OPay National Innovation Challenge 2026* • *Next.js, Expo, Supabase*

- Built a mobile-first queue and delivery platform for UNILAG's Booku Mart for the OPay National Innovation Challenge 2026.
- Designed online ordering, reference-ID payments and QR pickup across three roles: customer, rider and supermarket staff.
- Shipped the web platform: marketing landing page, customer storefront with download gate, and rider recruitment page with a live earnings calculator.

Fonia Projects | Real-Time Kanban Board

Fonia Labs

- Built Fonia Projects, a real-time Kanban board for organising and tracking project work.

ContractFeed | Government Procurement Intelligence

2025

[contractfeed.vercel.app](#)

- Built a real-time procurement intelligence platform that aggregates live government contract awards from 25+ countries, including the US, EU, UK and Australia, tracking \$2T+ in monthly contract value.
- Delivered smart filtering, watchlists and email alerts refreshed every 60 seconds.

Other Projects

- **SystemGuardian:** C# / .NET 8 / WPF multi-agent Windows tool that monitors CPU, RAM, GPU and disk and forecasts load 30 seconds ahead with an ML.NET model retrained nightly from user feedback.
- **Dokito:** AI health support platform for health records, emergency support, AI Q&A and finding nearby care (Next.js, LangChain.js, Vercel AI SDK).
- **Ayo Game / Dead & Wounded:** Java Minimax game AI with multithreaded, parallel game-state search; and a concurrent multiplayer game using thread-safe data structures and atomic operations.

EDUCATION

B.Sc. Computer Science | University of Lagos (UNILAG), Lagos

Expected 2028

200 Level. Relevant coursework: Data Structures & Algorithms, Operating Systems, Computer Systems, Systems Analysis, Computer Security, Database Systems, Software Engineering, Artificial Intelligence, Concurrency & Parallel Computing.

CERTIFICATIONS

- AI for Business Professionals, HP LIFE
- Effective Leadership, HP LIFE
- Professional Networking for Career Growth, HP LIFE
- Full-Stack Development (React, Next.js, Node.js), Udemy
- C Programming, Certificate
- Implementation of Occupational Health and Safety in Industry, Certificate

TECHNICAL WRITING

Binary Understanding – computer science explainers on Substack and Reels: ifidonabraham.substack.com