MICHAEL ERIAYOOLUWA MOGBOLUWAGA

Full-Stack & Mobile Developer | Software Engineer

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PROFESSIONAL SUMMARY

Full-stack and mobile developer and founder of ReignTek, a software studio shipping production web and mobile products for clients in Nigeria and the UK. Builds end to end with React Native/Expo, Flutter, Next.js, Node.js/TypeScript and Supabase, from scoping and API design to deployment on Vercel, Railway and EAS. Recent work includes a submission portal for the British Fantasy Society, the backend and AI search for a research data platform, and an author website for a Penguin-published novelist. Presented AI research at ICAIR-MIRG 2025.

EXPERIENCE

ReignTek — Founder & CEO Abuja, Nigeria (Remote) | 2026 – Present

- Founded and run a software studio with two co-founders, handling scoping, pricing and delivery; 3 client projects shipped for 3 clients in two countries.
- Built the British Fantasy Society's “First Ten Pages” submission portal (Next.js 16, Supabase, Vercel) in 7 weeks, replacing a Google Forms process. It now serves 77 writers, 32 submissions and 64 advisors, with an approval workflow, review lifecycle, CSV export and reviewer anonymity enforced by row-level security.
- Built justmarve.org for a Penguin-published author (about 970 visitors a month), with WebGL shader backgrounds, CSS 3D book covers and a Supabase-backed admin managing around 200 content items. Also built a book-launch RSVP microsite (Next.js 15, Resend) that took 47 RSVPs.
- Flutter development partner to Hopper Africa, an offline mesh messaging app: resolved Kotlin build and Android permission issues and migrated the icon system.
- Built Stordee, an AI Bible-study app, for a client, and lead the studio's in-house products: Kwikly, PlayDome and OffGrid (see Projects).

Kainos Edge — Lead Backend Developer (Contract) Remote | 05/2026 – 06/2026

- Led backend development of KIDMP, a centralised research data platform replacing fragmented manual workflows, with role-based access control, version control, audit tracking and QA enforcement across contributor, reviewer and admin roles.
- Built 51 REST API endpoints and the AI-powered RAG interface for conversational querying of the organisation's datasets, including conversation persistence. Fixed query-mismatch, caching, admin user-creation and invite-email bugs.
- Stack: Node.js, Express, TypeScript, PostgreSQL via Supabase (DB, Auth, Storage), Railway, Resend, Postman. Migrated the client's domain, DNS and mailboxes to a new registrar.

Bizmat — Front-End Developer Lagos, Nigeria (Remote) | 07/2025 – 02/2026

- Built and maintained the front end of a business web platform in React, providing admin interfaces for vendors to track orders and manage operational records.
- Implemented reusable components and UI logic for consistent data visibility, usability and behaviour across the platform.

Vectrix Holdings — Project Manager & Software Developer Osun, Nigeria | 11/2023 – 07/2025

- Led 2 end-to-end projects with teams of about 6, defining scope and delivering React applications on time and within budget.
- Oversaw testing, debugging, deployment and stakeholder collaboration to ensure reliable, high-performance systems.

Bowen Tech Hub — Community Lead & Software Developer Osun, Nigeria | 10/2024 – 07/2025

- Grew the campus tech community from about 60 to 250+ members and set up 2 company partnerships for training and recruitment.
- Ran 7 workshops alongside weekly training classes, and coordinated project teams delivering technical solutions.

GDG on Campus, Bowen University — Project Management Team Lead Osun, Nigeria | 01/2025 – 07/2025

- Oversaw 4 student projects, including a student ID tracking system, and designed and ran a project management programme completed by about 18 students.

Convexity Technologies Ltd — Intern Trainee, IT/Web Development Abuja, Nigeria | 07/2024 – 10/2024

- Contributed to testing and deployment of C.H.A.T.S., validating features, identifying defects and onboarding 90+ community users.
- Designed and built a facial recognition hospital record system (Python, FastAPI, PostgreSQL) and a full-stack trading application in Rust.

PROJECTS

Kwikly — Campus Delivery App React Native · Expo · Node.js · TypeScript · Supabase · Paystack

- Full-stack delivery platform for ABUAD University with customer and rider apps (React Native) and an admin dashboard (React + Vite) on a Node.js backend: real-time order management, GPS tracking, wallet, push notifications and in-app payments. In pilot testing with 2 vendors ahead of licensing.

PlayDome — Arcade Rewards Platform React Native · Expo · Node.js · TypeScript · Supabase · Paystack · NFC/QR

- B2B2C platform where arcades manage machines, prizes and players from a branded admin dashboard, and players earn and redeem reward points through QR code and NFC interactions.
- Multi-location support with GPS auto-detection, independent leaderboards, redemption codes, real-time APIs and in-app ticket purchases via Paystack. In beta at one arcade across about 50 machines.

OffGrid — Offline Content App for African Markets Flutter · Kotlin · Android VpnService API · Paystack

- Caches browsed content (feeds, articles, videos) over Wi-Fi and replays it offline, so apps keep working without mobile data.
- Core engine is an on-device VPN proxy written in native Kotlin on Android's VpnService API, with a Flutter UI and a freemium model via Paystack. Currently in beta.

Stordee — AI Bible Study Companion (client project) React Native · Expo · Supabase Edge Functions · Anthropic API

- Mobile app with around 10 core screens, including a Bible reader, AI chat, devotions, sermons, concordance, notes and a study-plan wizard, with AI features served through Supabase Edge Functions; EAS development and preview builds shipped.

PERRY — Voice-Controlled Smart Home System Python · CNN/LSTM · MFCC · Raspberry Pi · Arduino

- Offline voice-recognition system reaching 96.7% accuracy, using CNN models trained on 16,400+ voice samples from about 1,000 Nigerian speakers. Controls appliances (lights, fans, door) in real time through Raspberry Pi, Arduino and relay modules. Built as assistive technology for people with motor disabilities and presented at ICAIR-MIRG 2025.

TEDxBowenUniversity Website TypeScript · React · Payment Gateway

- Built the event website with a payment gateway for ticket sales; all 100 tickets sold out at the venue cap.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Dart, Kotlin, Rust (intermediate), C# (beginner)

Frontend & Mobile: React, Next.js, React Native, Expo (EAS), Flutter, HTML, CSS, Vite, WebGL/GLSL

Backend: Node.js, Express, FastAPI, Django, REST APIs, Supabase Edge Functions

Databases: PostgreSQL, Supabase, MySQL, MongoDB

Cloud & Deployment: Vercel, Railway, Render, Supabase, Docker, EAS Build

Integrations: Paystack, Supabase Auth (Google OAuth), Supabase Storage, Expo Notifications, Resend, MailerLite

AI & ML: Anthropic API, RAG/LLM integration, TensorFlow, PyTorch, CNN/LSTM, MFCC; Claude and Cursor in daily workflow

Tooling & Practice: Git, GitHub, Postman, Swagger, Zustand, Agile, CI/CD

LEADERSHIP

TEDxGwarinpa 2025 — Event Manager Abuja, Nigeria | 08/2025 – 01/2026

- Ran logistics for an event of about 120 attendees, speakers and vendors, covering stage, sound and programme scheduling. Also built the event website.

TEDxBowenUniversity 2024 — Licensee & Organiser Osun, Nigeria | 06/2024 – 11/2024

- Secured the licence for and led the inaugural TEDx event on campus, a sold-out event of about 160 attendees, speakers and volunteers.

EDUCATION

Bowen University — B.Sc. Computer Science Iwo, Osun State, Nigeria | 07/2021 – 07/2025

ACHIEVEMENTS & RECOGNITION

- Speaker and poster presenter, ICAIR-MIRG 2025 International Conference on AI Research & Machine Intelligence
- Winner, Bowen University 2023/2024 Inter-departmental Techathon
- Winner, business pitch addressing SDG 13 climate challenges