EMMANUEL UYANWANNE (emmyanzo)

Full-Stack Engineer | HNG 15 Finalist | 3MTT Fellow | Africa (WAT, UTC+1)

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Full-stack software engineer shipping production web, mobile, and AI applications end-to-end. HNG 15 Finalist (2026) and 3MTT Fellow experienced in TypeScript, Next.js, React Native, PostgreSQL/Supabase, live payment systems (Paystack), and multi-agent AI workflows. Contributed live production features on zedu.chat, metrics.zedu.chat, start.ng, and ziki.dev.

EXPERIENCE & FELLOWSHIPS

Finalist Intern (Software Engineering) - HNG 15 Internship 2026

- Advanced through all 10 elimination stages out of thousands of remote participants to finish as an HNG 15 Finalist.
- Shipped live production frontend features across zedu.chat, metrics.zedu.chat, and start.ng alongside cross-functional engineering, design, and QA teams under tight sprint deadlines.
- Built and launched Danfo Defense (danfo-defense.start.ng), a 60fps browser arcade game supporting desktop and dual-thumb mobile touch controls.

Independent Full-Stack Engineer & Product Builder - Freelance & Own Products 2025 - Present

- Engineered Archive94 (archive94.shop) end-to-end with Next.js 15, Supabase RLS/Postgres RPCs, live Paystack checkout & webhooks, Mailgun emails, custom domain SSL, daily cron health checks, and a synced React Native Android app.
- Delivered commercial client web apps including Hair By Scholar (salon & academy platform) and Alder & Reed (architectural real estate & residential listings platform).
- Built AI-native products including StudyPulse (200-page PDF + parallel handwritten OCR + voice drills) and Switch Sentry (Python multi-agent incident response & QA governance squad).

Software Development Fellow - 3MTT Nigeria (3 Million Technical Talent) 2024 - 2025

- Selected national fellow completing applied full-stack engineering training across modern JS/TS, React, APIs, databases, and cloud deployment.

LIVE PRODUCTION CONTRIBUTIONS

- Zedu (zedu.chat) & Zedu Metrics / Amp (metrics.zedu.chat): Shipped live frontend workspace & AI-assisted marketing/analytics features within the Zedu ecosystem.
- Start.ng (start.ng): Contributed live platform features and shipped Danfo Defense onto the Start.ng interactive games platform.
- Ziki (ziki.dev): Contributed live production features to an AI-agent software engineering & marketing platform.

SELECTED SHIPPED PROJECTS

Archive94 Web + Mobile (archive94.shop)
Next.js 15, TypeScript, Supabase/PostgreSQL, Paystack, React Native/Expo - 1-of-1 vintage e-commerce store with atomic inventory RPCs, HMAC webhooks, multi-angle gallery, and cross-device synced Android app.

StudyPulse (studypulse-pi.vercel.app)
Next.js, TypeScript, Gemini API, PDF.js, Web Speech - AI study studio handling 200-page PDFs, handwritten/scanned OCR, adaptive flashcards, quizzes, and hands-free Voice Flashcard Drills.

Alder & Reed (alder-and-reed.vercel.app)
Next.js, React, TypeScript, Tailwind CSS - Editorial architectural real estate platform for browsing curated homes, publishing listings, and capturing viewing inquiries.

Switch Sentry (github.com/emmyanzx/switch-sentry)
Python, SandboxAQ Switch - Autonomous multi-agent incident response & QA governance squad with independent verification and persistent Mistake Registry (WeMakeDevs Hackathon).

Hair By Scholar (hair-by-scholar.vercel.app)
Next.js, Tailwind CSS - Production client brand platform for a luxury salon & certified 1-3 month hair academy in Delta State.

Danfo Defense (danfo-defense.start.ng)
HTML5 Canvas, JavaScript - Lagos arcade survival game with desktop WASD/mouse and mobile dual-thumb touch controls.

TECHNICAL SKILLS

Frontend & UI:	TypeScript, JavaScript (ES6+), React 19, Next.js (App Router), Tailwind CSS, HTML5/Canvas, Responsive & Accessible UI, SEO/OG
Backend & Data:	Node.js, PostgreSQL, Supabase (Auth, RLS, RPC, Storage), Python, REST APIs, Zod, Webhooks, Rate Limiting
Mobile & AI:	React Native / Expo, Gemini API, Vision OCR, Multi-Agent Workflows, SandboxAQ Switch, PDF.js, Web Speech API
Payments & Ops:	Paystack Live Checkout & Webhooks, Mailgun, Vercel Deployments & Cron, Custom Domain DNS/SSL, Git/GitHub PR Workflows