EMMANUEL ONUGWU

Design Engineer & Product Designer

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SUMMARY

Design engineer and product designer with about four years of experience taking products from Figma to production. I build design systems in Figma and front ends in React, Next.js and TypeScript, and I use AI-native workflows (Claude Code, Cursor) to ship fast without cutting corners on accessibility or performance. Recently I designed and built Tooldo, nine open-source file tools that run entirely in the browser, and was the founding designer at ShopAm, a live-shopping marketplace where my post-launch changes lifted engagement by 30% and revenue by 35%.

SKILLS

Front end: React, Next.js, React Native (Expo), TypeScript, JavaScript, HTML, CSS, Tailwind CSS, Framer Motion, Web Workers, automated testing

AI-native: Claude Code, Cursor, spec-driven agent workflows, design-to-code

Design: Product Design, Design Systems, Design Tokens, UX & UI Design, Interaction Design, Prototyping, User Research, Accessibility (WCAG)

Tools: Figma, Framer, Git & GitHub, Vercel, Protopie, Rive, Jira

SELECTED BUILDS

Tooldo tooldo.online | 2026

Designer & Developer (open source) *Live*

- Nine free file tools (PDF, images, video, invoices, QR codes and more) that run entirely in the browser: no uploads, no accounts. Designed and built end to end.
- Pages ship as static HTML with no JavaScript until a tool opens; heavy processing runs in a background thread so a 200-page PDF never freezes the tab; 95 tests cover the PDF logic.

Labs labs.emmanuelonugwu.com

Designer & Developer *Live*

- Lattice: generates colour token pairs that pass WCAG AA on both light and dark backgrounds, and shows the arithmetic behind them.
- Vibe Check: paste React or CSS and it flags the production bugs AI-written code tends to ship with.

EXPERIENCE

KULENGA Research Lab Limited Remote

Lead Product Designer *April 2025 – Present*

Product Designer *March 2024 – April 2025*

- Own product design end to end across in-house and client products: SaaS platforms, data-driven systems and large web apps, from strategy through developer handoff.
- Led design on three core products, Yengal (data platform), EdKiva (education) and Majeezy (audio streaming), from research to high-fidelity UI and developer handoff.
- Built reusable design systems and UI standards that sped up development and kept products consistent across teams.
- Designed enterprise websites for oil and gas clients, driving up to a 30% increase in inbound requests after launch.
- Built an internal ops and reporting system that improved cross-team workflow efficiency by 20%+.
- Prototype in code (React, Next.js) and with AI tools (Claude Code, Cursor) to test interactions fast and keep handoff tight.

ShopAm (shopam.org) Remote

Founding Product Designer (Contract) *October 2025 – May 2026*

- Founding designer for a Nigerian social-commerce marketplace with livestream shopping, verified sellers and escrow-protected payments.

- Brought in to support an existing designer; the founders then asked me to redesign the entire product from scratch, across 6 surfaces (buyer, seller, livestream, verified seller, transactions, admin).
- Designed the core product in about a month, then worked closely with engineering through launch on the App Store (May 2026).
- Led the post-launch redesign of auctions and livestreaming, and overhauled checkout and payments based on user feedback, lifting engagement by 30% and revenue by 35%.

Aeximius SA Remote | Geneva, CH

UI/UX Product Designer *December 2023 – March 2024*

- Designed web and native mobile products for clients in real estate, healthcare, luxury, AI and gaming, in a distributed studio.
- Turned unclear client requirements into clean UX flows, intuitive interfaces and developer-ready UI systems.
- Wrote design case studies from shipped projects that strengthened client pitches and the agency's sales.
- Worked async with senior designers and engineers, building strong foundations in usability, accessibility and product thinking.

PeCap Development Center Hybrid | Nigeria

Junior UI/UX Designer *November 2022 – November 2023*

- Sole designer on the National Metrology Institute (SON) calibration platform, owning the full UX process from research and wireframing to usability testing and developer handoff.
- Designed a data-rich calibration dashboard that improved data accessibility by 25% and technician efficiency by 15%.
- Added interactive data features that drove a 25% increase in platform engagement and grew the institute's online visibility by 30%.
- Met government accessibility and usability standards in full.

EDUCATION

University of Port Harcourt 2015 – 2021

Bachelor of Engineering (BEng), Petroleum and Gas Engineering

CERTIFICATIONS

Google 2022

Google UX Design Professional Certificate