KENECHUKWU OKOYE-CHINE

Software Developer (Full-Stack & Mobile) | Product Designer
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PROFESSIONAL SUMMARY

Full-stack and mobile software developer and product designer with a B.Sc. in Computer Science, building production apps for clients in EdTech, fintech, climate tech and on-demand services. Ships cross-platform mobile apps with React Native (Expo) and TypeScript, REST APIs with Node.js and NestJS on PostgreSQL, and deploys to Render, Vercel, Supabase and AWS Amplify. Designs in Figma and turns designs into responsive, accessible interfaces, from user flows and design systems to secure authentication and AI features powered by large language models (LLMs).

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Python, SQL, HTML5, CSS3

Frontend & Mobile: React, React Native, Expo, Expo Router, Next.js, Vite, Tailwind CSS, Reanimated, Zustand, TanStack Query, responsive design

Backend & Databases: Node.js, NestJS, Django, Flask, REST APIs, JWT authentication, OAuth 2.0 (Google Sign-In), PostgreSQL, Drizzle ORM, Supabase, MySQL, SQLite

Cloud & DevOps: AWS Amplify, Vercel, Render, Supabase Edge Functions, Expo EAS Build, CI/CD, Git, GitHub, pull request code review

AI & Data: LLM integration (Groq), retrieval-augmented generation (RAG), prompt engineering, recommender systems (TF-IDF, collaborative filtering), NumPy

Design: Figma, UI/UX design, design systems, wireframing, prototyping, user research, accessibility

Practices: Agile/Scrum, end-to-end API testing, debugging, technical documentation

PROFESSIONAL EXPERIENCE

Software Developer (Contract) | Redana | Remote — Sep 2026 – Present

Mmuta – adaptive learning app for African primary and secondary school learners

- Build the learner mobile app (React Native, Expo, TypeScript), the backend API (NestJS, Drizzle ORM, PostgreSQL on Supabase) and a teacher web dashboard (React, Vite) in one monorepo.
- Implemented end-to-end authentication: email sign-up with verification codes, log-in, password reset, JWT access and refresh tokens in secure storage, and Google Sign-In verified server-side for web, Android and iOS.
- Added role-based access (learner, teacher, admin), profile photo upload, transactional email through the Brevo API and an automated end-to-end API test suite.
- Deployed the API to Render with Supabase PostgreSQL and produced Android test builds with Expo EAS for remote testers.
- Built the full onboarding and authentication journey from Figma, matching prototype motion specs and staying responsive from small phones to tablets with keyboard-safe forms.

Etufula – waste-for-cash recycling platform

- Lead the redesign and rebuild of the household mobile app inherited from a previous developer: audited the codebase, documented session and token-refresh defects, and restructured it on Expo Router, Zustand and TanStack Query, delivered in Agile sprints.

Product Designer | Binary Brawlers | Lagos, Nigeria — Jul 2026 – Present

- Translate product ideas and user needs into user flows, wireframes, responsive interfaces and interactive prototypes designed with implementation in mind.
- Maintain reusable interface patterns and visual consistency across product screens, states and breakpoints.

Freelance Full-Stack Developer & Product Designer | Independent | Remote 2023 – Present

- Gloves (on-demand home services marketplace): built React Native and Expo client features, including phone OTP onboarding, profile set-up, home, services and wallet screens, against a NestJS API on Render with Supabase PostgreSQL; replaced raster icons with a scalable SVG system.
- LENDiT (peer-to-peer lending fintech): redesigning and rebuilding the Next.js marketing site as UI designer, working through a protected-branch pull request workflow with CI checks and AWS Amplify deployments.
- Boma Fashion Week: designed and developed the event website in Next.js with a gallery and data-driven designer profiles, deployed on Vercel.
- Designed and built responsive Next.js and TypeScript websites for Osuko Construction and Javin Champion School, from information architecture to deployment.

Product Design / Developer Intern | Larkwave Tech | Lagos, Nigeria Nov 2025 – Feb 2026

- Contributed to the design and development workflow for user-centred digital products, bridging interface decisions with frontend feasibility.
- Reviewed interfaces iteratively, resolving usability and visual consistency issues with the engineering team.

Product Designer (UI/UX) | Momentom | Awka, Nigeria Mar 2025 – Jun 2025

- Designed responsive buyer, vendor, account and transaction flows for an e-commerce marketplace, with reusable UI patterns and interactive prototypes.

PROJECTS

Mentra – AI Study Companion | TypeScript, React Native, Expo, Supabase, Groq LLM 2026

- Built a cross-platform study app that turns uploaded notes into grounded answers, summaries, flashcards, quizzes and study plans using retrieval-augmented generation.
- Kept LLM API keys off the device behind a Supabase Edge Function gateway, with a PostgreSQL schema, private file storage, email and Google sign-in; shipped an Android APK and a web build on Vercel.

Smart Job Recommendation Portal (B.Sc. final-year project) | Python, Django, NumPy, SQLite/MySQL 2024

- Built a hybrid recommender combining TF-IDF content-based filtering with item-based collaborative filtering, serving graduate, employer and admin roles on a live deployment.
- Reimplemented vectorisation in NumPy to remove scikit-learn and fit Vercel's serverless size limit; added an evaluation command that measures precision@10 against keyword-search baselines.

Golden Bills – Bills and Payments Dashboard | Figma, UI/UX, Fintech 2025

- Designed wallet funding, airtime and data purchase, utility payment and transaction history flows as one consistent system of reusable forms and status states.

EDUCATION

B.Sc. Computer Science | Nnamdi Azikiwe University, Awka, Nigeria 2021 – 2024

CERTIFICATIONS

Product Design (UI/UX Design) Certificate | TS Academy Jul 2026