

Emmanuel Nwaelom

Full-Stack & Frontend Developer · React · Next.js · Node.js · TypeScript

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PROFILE

Full-stack engineer specialising in React/Next.js and Node.js, with 3+ years delivering production platforms across fintech, AI SaaS, and e-commerce — 3,000+ monthly active users, 99%+ uptime, and measurable performance gains on every engagement. Built and shipped an LLM-integrated SaaS platform with GPT-4 streaming and a 30% inference cost reduction; a multi-role fintech dashboard handling live financial transactions; and a cross-platform mobile app on iOS and Android. B.Eng Mechatronics (University of Nigeria, 2024) underpins a systems-first approach to architecture, reliability, and correctness. Remote-native across 8+ client engagements in the UK, US, and Europe — zero missed production deadlines.

TECHNICAL SKILLS

Frontend	React, Next.js, TypeScript, JavaScript (ES6+), Tailwind CSS, Framer Motion, Redux, React Query, Vite, Vue.js
Backend	Node.js, Express.js, NestJS, GraphQL, REST APIs, WebSockets, JWT / Auth
Databases	MongoDB, PostgreSQL, Redis, Prisma, Mongoose
Mobile	React Native (iOS & Android), Flutter
Cloud & DevOps	Firebase, Supabase, Docker, Vercel, Render, CI/CD pipelines
Testing	Jest, React Testing Library, Cypress (E2E), unit & integration testing
Practices	Agile / Scrum, Git branching workflows, PR reviews, WCAG accessibility, performance optimisation

WORK EXPERIENCE

Senior Full-Stack Developer Freelance — Remote · Global Clients (UK, US, Europe)	Jan 2023 – Present
<ul style="list-style-type: none">Led frontend architecture for 5+ production SaaS and fintech platforms using React and Next.js with TypeScript; reduced average page load time from approximately 4s to under 1.8s across all platforms, improving Core Web Vitals scores by 35%.Engineered a 60+ component design system with Tailwind CSS and Framer Motion, reused across 4 client projects — cutting average UI feature delivery time by 40% and eliminating cross-project style regressions.Integrated REST and GraphQL APIs into complex, real-time dashboards using WebSockets; all platforms maintained 99%+ uptime serving 3,000+ monthly active users.Designed and shipped an AI SaaS platform integrating GPT-4 via streaming API, achieving sub-800ms perceived response latency; implemented a prompt engineering and token-budget layer that reduced inference costs by 30% versus baseline.Maintained 80%+ unit test coverage across core modules using Jest and React Testing Library; wrote Cypress E2E suites covering all critical user flows — zero regression incidents in production over 2 years of active development.Delivered async-first communication across 6+ hour time zones: weekly video updates, structured sprint demos, and thorough technical documentation — zero missed deadlines across all engagements.	
Full-Stack Developer Freelance — Remote	Jun 2022 – Dec 2022
<ul style="list-style-type: none">Designed and shipped 3 end-to-end web applications for fintech and e-commerce clients using React, Node.js, Express.js, and MongoDB — each taken from schema design to deployed UI as sole developer.Implemented secure JWT-based authentication and granular role-based access control (RBAC) for admin dashboards handling live financial transaction data, with audit logging on all privileged actions.	

- Built and deployed RESTful APIs consumed by both web and React Native mobile clients; maintained 99.1% uptime across all production services, monitored via automated health checks on Render.
- Established CI/CD pipelines on Vercel and Render — zero-downtime rolling deployments, automated build validation, and environment-based config management.

Frontend Developer

Jan 2021 – May 2022

Contract — Remote

- Shipped 6+ mobile-first frontends across retail, logistics, and hospitality — Lighthouse scores averaging 85+ post-launch; migrated 3 legacy jQuery codebases to modern React with hooks, improving average performance scores by 28 points.
- Implemented complex client-side state management with Redux and React Query, reducing unnecessary API calls by 50% through intelligent caching strategies.
- Built WCAG AA-compliant, responsive UIs from Figma designs; validated accessibility with automated tooling and manual keyboard/screen-reader testing across all deliverables.

SELECTED PROJECTS

Fintech Admin Dashboard

React · Node.js · MongoDB · JWT · Express.js · REST APIs · WebSockets

- Secure multi-role dashboard for processing and auditing real financial transactions — RBAC with 4 permission tiers, full audit trail, and real-time data visualisation panels updating via WebSockets.
- Handles concurrent admin sessions without degradation; exportable reports, sub-2s load time, deployed with zero-downtime rolling strategy on Render.

AI-Powered SaaS Platform

Next.js · Node.js · OpenAI API · PostgreSQL · Prisma · Vercel

- Integrated GPT-4 streaming API into a web platform enabling automated content workflows; streaming UI delivers sub-800ms perceived response latency for end users.
- Designed a prompt engineering layer and per-user token-budget system — reduced inference costs by 30% versus naive implementation while keeping the experience seamless at scale.

API-First E-Commerce Platform

React · Express.js · MongoDB · Stripe · Mongoose · Framer Motion

- Headless commerce backend with full product catalogue, cart, checkout, and Stripe payment integration — live storefront serving 500+ SKUs with real purchase volume.
- Mobile-responsive React frontend with Framer Motion transitions and optimistic UI updates; Lighthouse performance score 91+.

Cross-Platform Mobile Application

React Native · Firebase · Node.js · Redis

- Real-time mobile app with push notifications, offline data sync, and Firebase authentication — shipped to both iOS and Android from a single React Native codebase.
- Node.js REST API backend with Redis caching for frequently accessed resources; reduced average API response time by 45% versus uncached baseline.

Secure Role-Based Admin System

Next.js · NestJS · PostgreSQL · JWT · Docker

- Enterprise-grade admin portal with multi-tenant architecture, configurable permission matrices, and audit trails for complex organisational hierarchies.
- Containerised with Docker; deployed on Render with automated health checks, zero-downtime rolling deployments, and environment-isolated config management.

EDUCATION
