

Adekola Oluwatoniloba

Software Engineer

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PROFESSIONAL SUMMARY

Software Engineer with a track record of delivering complete frontend products from first commit to production, with a focus on performance, testability, and clean deployment infrastructure. Across contract and full-time roles, I have shipped marketing sites, SaaS dashboards, and a decentralized marketplace, each with CI/CD pipelines, structured test suites, and measurable performance outcomes. Open to frontend roles where technical rigor and product quality both matter.

SKILLS

- **Technical Skills:** Python, JavaScript (ES6+), Html, React, Redux, Zustand, Tanstack Query, Next.js, Typescript, Tailwind, Firebase, Vitest, Jest, React Testing Library, Zod, Prisma MSW, React Leaflet, Wagmi, Viem, accessibility, A11y, Framer Motion, coding,
- **Tools:** Git/GitHub, Webpack, pnpm, yarn, npm, chrome dev tools, Figma
- **Certifications:** [HNG Tech Internship \(2024\)](#), JavaScript Algorithms & Data Structures | FreeCodeCamp

PROFESSIONAL EXPERIENCE

NITHUB

Software Engineer

LAGOS, NIGERIA

FEB 2025 - PRESENT

- Led frontend development of the NITHUB website using React and TypeScript, improving page performance through code splitting and lazy loading, tracked against Lighthouse scores across releases
- Authored and maintained 50+ unit and end-to-end tests with Vitest, bringing code coverage to 85% and catching regressions before they reached production
- Coordinated two major feature initiatives across a cross-functional team of 6 engineers, designers, and mobile developers, keeping both projects within their planned delivery windows

GIGSECURE

Frontend Engineer

LAGOS, NIGERIA

JAN 2026 – APRIL 2026

- Authored and shipped a **Next.js 15 + TypeScript** frontend with **9 App Router pages**, **6 API route handlers**, and nested layouts for public, wizard, and dashboard experiences.
- Implemented an interactive risk-assessment workflow with persisted client state using **Zustand** stores and server communication through **TanStack React Query** and **axios** service layers.
- Wrote and maintained **32 Vitest test files** using Testing Library and **MSW**, and wired CI to run tests before deployment in both staging and production GitHub Actions pipelines.
- Configured production delivery to **Vercel** with branch-based deployment triggers (staging and main), environment-specific project IDs, and automated build/deploy steps.
- Added platform-level quality features including metadata, sitemap/robots' generation, middleware security headers, next/image usage, Google Analytics, and Vercel Speed Insights instrumentation.

PRIMOO

Frontend Engineer

LAGOS, NIGERIA

FEB 2026 – March 2026

- Developed a 5-page marketing website for PrimOO, a Nigerian fintech company using Next.js 15 (App Router), React 19, TypeScript, and Tailwind CSS, delivering all pages as statically generated with a 1.4s First Contentful Paint and a perfect Cumulative Layout Shift score of 0
- **Implemented** scroll-driven product showcases using Framer Motion's useScroll and useTransform hooks across two 5-card stacked sections (10 product cards total), with scroll-progress-linked Y translations, parallax effects, a cycling-word hero animation, and a scroll-reveal text effect
- **Configured** a 4-stage GitLab CI/CD pipeline (install → test → build → deploy) deploying to Vercel, with separate staging and production environments gated by branch (staging and main), and wrote cookie-based middleware to password-protect the staging domain
- **Wrote** 44 component-level tests across 12 test files using Vitest and React Testing Library, covering the navbar, footer newsletter form (with Zod validation and honeypot spam protection), FAQ accordion, both scroll sections, and

all 5 about-us sub-sections

- **Set up** per-page SEO metadata (title, description, Open Graph, Twitter cards, canonical URLs), a dynamic sitemap and robots.txt that suppress indexing on staging, JSON-LD structured data (FinancialService + WebSite schemas).

BITSAAAC AGENCY

LAGOS, NIGERIA

Frontend Developer (Contract)

OCT 2024 – FEB 2025

- Built the frontend for Drello, a decentralized jobs marketplace, using Next.js 14 and TypeScript with a responsive layout structured for high-volume contract interactions on the Base Network
- Implemented wallet authentication on the Base Network using Wagmi and Viem, adding structured error handling for RPC edge cases and connection failures
- Connected frontend components to smart contracts for job posting and escrow payments, writing gas estimation logic to keep transactions completing as expected
- Created type-safe custom hooks with Wagmi and Viem for managing on-chain state, validating contract ABIs against frontend interfaces to surface type mismatches at compile time

HNG TECH

LAGOS, NIGERIA

Frontend Developer

JULY 2024-AUG 2024

- Designed, developed, and deployed 2 React/Next.js applications with Tailwind CSS and TypeScript, delivering features to 5,000+ users
- Collaborated with a cross-functional team of 4 designers, backend engineers, and QA analysts to streamline release cycles by 15%
- Implemented 30+ Vitest unit and E2E tests, reducing post-release defect rate by 35%

PROJECTS

NOISE MAPPER | Next.js, TypeScript, PostgreSQL, Prisma, Leaflet, SWR

2025

[GitHub](#) | [Live](#)

- Architected and deployed a full-stack crowdsourced noise mapping platform with Next.js 15 and TypeScript, processing 1,000+ geospatial data points with real-time visualization
- Engineered RESTful API endpoints with Prisma ORM and PostgreSQL, implementing data validation with Zod to ensure 100% data integrity for noise reports (0-150 dB range)
- Built interactive map interface using React Leaflet with heatmap visualization, custom zoom controls, and OpenStreetMap location search with debounced queries for optimal performance
- Developed custom React hooks (useAudioAnalyzer, useGeolocation) for microphone-based noise detection and location capture, with SWR for efficient data fetching and caching

Aether: ML Deployment Platform | Next.js, Typescript, Shadcn, JWT-decode, Zustand, Zod, Framer-motion

2025

[GitHub](#) | [Live](#)

- Engineered a production-ready Next.js 14 and TypeScript frontend that automates the containerization of Jupyter Notebooks into scalable APIs on Google Cloud Run.
- Architected a resilient authentication system featuring proactive JWT token rotation and focus-based validation to ensure seamless session continuity.
- Implemented WebSockets for real-time build telemetry, allowing users to stream Docker containerization logs with automatic reconnection logic.
- Designed a custom, high-contrast "brutalist" UI system using Tailwind CSS and Framer Motion, optimizing for performance and accessibility.

EDUCATION

UNIVERSITY OF LAGOS

LAGOS, NIGERIA

Bachelor of Science, Major in Computer Science

MAY 2024

RELEVANT COURSEWORK:

Data Structures and algorithms, Java, Python, C, Discrete Mathematics, Compiler Construction, Digital design systems, System design architecture, Operating Systems, Machine and Assembly Language, Machine Learning.