ABIMBOLA OBAFISAYO

Frontend Engineer • Next.js · TypeScript · React · React Native
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SUMMARY

Frontend Engineer specialising in Next.js, TypeScript, React, and React Native, with hands-on experience shipping production-grade B2C and B2B platforms across logistics, fintech, healthcare, and education. Currently a Frontend Developer Intern at Darum, where I have shipped two live products — LogiRate and Rateduct — serving the Nigerian market. Comfortable across the stack on API integration, authentication flows, and database-backed features, with a growing focus on applied AI/ML and building for emerging markets.

WORK EXPERIENCE

Frontend Developer Intern — Darum *February 2026 – Present*

Live: rateduct.com · logirate-web.rateduct.com · darum.ng

- Co-build and ship two production platforms: LogiRate, a logistics dispatcher rating platform, and Rateduct, an enterprise reliability intelligence platform — both deployed on Vercel and serving live traffic.
- Architect responsive interfaces in Next.js (App Router), TypeScript, and Tailwind CSS, with motion design via Framer Motion, custom marquee components, and gradient/glow effects using Tailwind filter utilities.
- Own end-to-end metadata and SEO configuration across both products, including OpenGraph and Twitter card setup, custom 1200×630 OG banners, and structured site verification.
- Resolved cross-cutting deployment issues — including a Vercel peer-dependency conflict that I fixed by migrating from `@tawk.to/tawk-messenger-react` to a lightweight `next/script` implementation.
- Collaborate closely with backend and design to ship features end-to-end on a Next.js, TypeScript, and Tailwind CSS stack.

Frontend Engineer — CriAssist *December 2025 – February 2026*

- Developed a swift emergency response platform using Next.js, TypeScript, and Tailwind CSS to ensure high performance and a responsive UI.
- Integrated Google Maps and Google OAuth to facilitate real-time location tracking and secure user authentication for emergency services.

Frontend Engineer — Naijafix *August 2025 – December 2025*

Live: naijafix-app.vercel.app

- Built the frontend for Naijafix, a digital platform providing fast, reliable, and affordable home and office maintenance services (plumbing, electrical, cleaning, repairs) across Lagos via on-demand and subscription models.
- Stack: Next.js, React, TypeScript, Redux Toolkit, Tailwind CSS, Google OAuth, Git.

Frontend Engineer — 921 Hub || Bitscard *March 2025 – August 2025*

- Frontend developer for a crypto-based web application offering P2P transactions, cryptocurrency swapping, fiat services, virtual card provisioning, and multi-currency funding.
- Translated Figma designs into responsive, interactive interfaces in React, ensuring a seamless and engaging user experience.
- Integrated APIs for payments, fund transfers, and real-time data handling — including Paystack for secure payment processing and Bitnob for card funding.
- Delivered clean, efficient, and maintainable code in close collaboration with backend and design teams.

Junior Frontend Engineer — Consonance || Brane *November 2024 – February 2025*

Live: app.getbrane.co

- Contributed to a Progressive Web Application (PWA) that lets users purchase airtime and data and earn “bracs” in return, with bracs convertible into stock market purchases once a threshold is reached.
- Collaborated cross-functionally to ensure smooth data flow between frontend and backend systems.

- Optimised performance and enhanced usability across various devices and screen sizes.

PROJECTS

Wenza — Distributed Online Tech Academy

github.com/wenzaOrg

- Full-stack, production-grade cohort-based learning platform serving learners across Africa and the global remote workforce, built around accountability, mentorship, and verifiable certificates to tackle attrition in online education.
- Architected as a Turborepo monorepo with a subdomain-per-concern strategy: marketing site, student LMS, certificate verification portal, and scholarship funnel — each independently deployable.
- Frontend: Next.js (App Router), TypeScript, Tailwind CSS, Redux, Framer Motion, and a shared @wenza/ui component library with a unified design-token system.
- Backend integration: Laravel REST API with Sanctum auth, Filament admin, HMAC-verified Paystack / Flutterwave / Moniepoint webhooks, and a job queue for PDF certificate generation.
- Built a sub-second public certificate verification portal using ISR, plus a custom useRequest hook for paginated, filtered, and mutation data flows.

SquadTrust — Autonomous Commerce & Credit Engine *GTBank Squad Hackathon 3.0*

github.com/SquadTrust · *Coverage:* LinkedIn post

- AI-driven merchant orchestration platform built on GTBank's Squad API stack, solving trust, physical payments, and credit inclusion for Nigerian micro-merchants — turning a smartphone into a full-stack financial tool.
- Safe-Pay Escrow: dynamic Squad Virtual Accounts hold buyer funds while an AI agent monitors 3PL delivery data and buyer-merchant chat sentiment, then auto-releases payment via the Squad Transfer API.
- Smart Soft POS: leverages Squad's NFC Soft POS SDK to turn Android phones into contactless payment terminals — decentralising banking from branch to merchant.
- AI Trust Score Engine: a real-time 0–1000 credit score computed from six weighted signals (fulfilment rate, transaction velocity, refunds, Soft POS volume, chat sentiment, account age), unlocking working capital loans from ₦25,000 up to ₦2,000,000.
- Stack: Python (FastAPI), PostgreSQL, Next.js 14, React Native, TanStack Query, Squad APIs (Dynamic Virtual Accounts, Transfer, Soft POS SDK), LLM-powered delivery verification.

ATP-Go — BLE Smart Attendance Platform

atp-go.vercel.app · github.com/ATtPOrg

- React Native (Expo) mobile application that automates classroom attendance via Bluetooth Low Energy proximity detection, eliminating manual sign-ins and preventing proxy attendance.
- Engineered a custom Expo local plugin injecting native Android Kotlin modules (BleAdvertiserModule) for BLE peripheral advertising at the native layer — work not possible in pure JavaScript.
- Designed a two-role flow: lecturer device broadcasts a signed, time-limited session token over BLE; student devices scan, verify the token, and auto-submit attendance to the backend.
- Managed the Android permission matrix across API 31+ (BLUETOOTH_ADVERTISE, BLUETOOTH_SCAN) and legacy location-based permissions, with a dual BLE + REST fallback path for reliability.
- Stack: React Native (Expo), TypeScript, MobX, react-native-ble-plx, EAS Build, Node.js REST backend, HMAC-signed session tokens.

Simple Shell *ALX Software Engineering · collaboration project*

github.com/obafisayo/simple_shell

- Developed a custom UNIX shell in C, achieving a 100% project score by implementing process management using fork, execve, and wait.
- Engineered a robust command-line parser to handle tokenisation, PATH resolution, and execution of external binaries.
- Implemented manual memory management and rigorous error handling, ensuring zero memory leaks and stability across edge cases.

Figure.ai Website Clone

github.com/obafisayo/figure-app · figure-ai.netlify.app

- Recreated UI components from the Figure.ai website using React and styled-components, delivering a pixel-perfect implementation aligned with the original design.

PiggyVest Website Clone

github.com/obafisayo/piggyvest · my-piggyvest.netlify.app

- Built a functional clone of the PiggyVest website using React and styled-components, focused on accurate design reproduction and dynamic functionality.

HACKATHONS & AWARDS

Cavista Technologies Hackathon — Lead Mobile & Frontend Developer *February 2026*

Coverage: LinkedIn post

- Led a team to finish in the top 10 of 54 competing teams, owning frontend architecture, sprint planning, and final-round product demonstration.

AiSHA — AI Software Healthcare Assistant *Curacel University Hackathon, June 2025*

Coverage: LinkedIn post

- Winner — Best AI Innovation and Technical Excellence.
- AI-powered assistant leveraging OpenAI and Twilio for real-time communication via OpenAI WebSocket, with a web-based interface for seamless AI-driven requests.
- Integrated Curacel Grow for insurance-claim retrieval and Curacel Pay to streamline insurance access for end users.
- Stack: React, Node.js, TypeScript, Python, Flask, Docker, DigitalOcean.

Flip To Tech *2023*

- Recognised for Coding, Web Design, and UI/UX work.

EDUCATION

Bachelor of Science, Computer Science — University of Lagos (UNILAG) *2024 – Present*

- Currently in 200 level. Coursework: Digital Systems, Computational Methods, Data Structures, Database Systems, Mathematical Methods.

Software Engineering Certification — ALX Africa *Completed*

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C, HTML, CSS

Frontend: React, Next.js (App Router), React Native (Expo), Tailwind CSS, Redux Toolkit, Zustand, MobX, Framer Motion, styled-components

Backend: Node.js, Express.js, Python, Flask, FastAPI, REST API design

Data & Infra: PostgreSQL, MySQL, Docker, Git, GitHub, Vercel, DigitalOcean, EAS Build, Cloudinary

Integrations: Paystack, Flutterwave, Bitnob, Google OAuth, Google Maps, Twilio, OpenAI

Practice areas: Component architecture, motion design, SEO/metadata, BLE/native mobile modules, applied ML fundamentals (Pandas, scikit-learn, CRISP-DM)