Niyi Adeosun

Senior Product Engineer

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Professional Summary

Senior Product Engineer with 6+ years of product development, from first prototype to running in production. Full-stack, with a focus on growth experimentation, AI products, and frontend architecture for high-traffic web applications. Spent 4 years on Toggl's remote growth team, building the A/B testing framework behind an 18% lift in paid conversion. Before that, built banking apps used by 100k+ people at Polaris Bank. The platform, VULTe, won Digital Bank of the Year in 2023.

Skills

Languages
TypeScript, JavaScript, Go, Python, SQL

Frontend
React, Redux, Remix, Svelte, HTML/CSS, Tailwind CSS, Figma

Backend
Node.js, Fastify, Prisma, Webhooks, REST APIs

AI
LLM agents, LangChain, Ollama, TTS / STT

Infrastructure
Docker, GitHub Actions, CI/CD, AWS, Fly.io, Linux, Self-hosting

Practices
Agile methodologies, Jira, A/B testing, Data-driven decision making, Cross-functional collaboration, Technical documentation, Mentoring

Volunteering

Gracit Foundation Mar 2020 - Present
Non-profit working on digital access in Africa.

Work Experience

Product Engineer — Independent Jan 2026 - Present

- Build and run Telegram and Discord bots in production (grammY, Fastify, Prisma), with signed webhooks, tests, Docker images built in CI, and runbooks.
- Built an LLM pipeline that turns a YouTube video into a narrated slide video, with agent-written slides, WCAG contrast checks, ElevenLabs voiceover, and ffmpeg rendering.
- Run the full product lifecycle on my own, from roadmapping and feature prioritization to prototyping and quality assurance.

Senior Frontend Engineer — Toggl · Remote (Estonia) Apr 2022 - Jan 2026

- Built the growth team's A/B testing framework with product and analytics, including segment targeting and a move to GrowthBook. Experiments lifted paid conversion by 18% and supported pricing changes that drove a 91% lift.
- Ran user testing and retention experiments across onboarding, trials, and upgrade prompts: week-2 retention +18%, day-7 +7%, report retention +13%. Wrote up the method and results for non-technical stakeholders.
- Led delivery of Goals, shipped Admin Overview, and built parts of Audit Log and Approvals. Gathered requirements with product managers and wrote the feature design docs.
- Owned parts of the move from legacy subscriptions to billing shared across Toggl products, and shipped webhook usage limits from API client to UI.
- Built the Toggl Focus onboarding wizard and sample data, and contributed to shared packages in a pnpm/Turborepo monorepo. Onboarded new engineers and took on-call shifts for the web app and browser extension.

Senior Frontend Engineer — Polaris Bank Limited · Lagos May 2021 - Apr 2022

- Led frontend work on ACP lending: eligibility checks, applications, and repayments.
- Worked with DevOps to standardize CI/CD pipelines, cutting build times from several minutes to under one.
- Built and maintained high-traffic web applications and back-office tools for 100k+ users (React, Redux), and refactored VULTe into modules with centralized state. VULTe won Digital Bank of the Year in 2023.

Selected Projects

Slides Python · LangChain · Playwright · ElevenLabs · ffmpeg
Built an agent pipeline that turns a YouTube video into a narrated slide video, with themes that pass WCAG contrast.

TapVote React Router · Convex · Tailwind
Launched real-time, account-free voting for classrooms and meetups. People join with a QR code and watch results update live on the projector.

Filmhouse Go · Bubble Tea · Telegram · Fly.io
Wrote a terminal app and Telegram bot for Lagos cinema showtimes, using the cinema's private API.

Education

MSc, DevOps and Cloud Computing
IU International University (Germany) · 2025 - Expected 2027 · Part-time, online.

BSc, Computer Science, 2018
WSInf, Łódź, Poland · 2014 - 2018 · First Class Honours · started at Babcock University