

Temiyemi Akinyemi

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SUMMARY

Software Engineer with 3+ years of experience designing, building, and deploying production-grade web and mobile applications across healthcare, AI marketplaces, and consumer platforms. Experienced in architecting scalable full-stack systems using React, Next.js, TypeScript, Node.js, PostgreSQL, and cloud infrastructure, with hands-on expertise integrating LLMs, vector search, real-time communication, payment systems, and distributed background processing into customer-facing products. Proven ability to own products from concept through production while improving application performance, developer productivity, and user experience.

EDUCATION

Lagos State University

Bachelor of Science in Computer Science, Second Class Upper (2:1), GPA: 4.33 / 5.00

Graduated: December 2023

EXPERIENCE

Software Engineer

Cavista

Aug 2024 – Present

Lagos, Nigeria

Technologies: Aurelia.js, TypeScript, JavaScript, C#, REST APIs

- Build and maintain production healthcare software used by home health, hospice, and palliative care providers.
- Improved application stability by diagnosing and resolving complex frontend and backend issues across a large-scale palliative care platform, reducing recurring defects by approximately 15%.
- Designed and implemented reusable UI components that accelerated feature delivery while improving consistency across multiple product modules.
- Delivered customer-driven enhancements that streamlined workflows for clinical users and improved overall product usability.
- Collaborated with backend engineers to integrate Aurelia.js applications with C# services while maintaining reliable API communication and data consistency.

Software Engineer (Contract)

FoodCS

Jan 2025 – May 2026

London, United Kingdom

Technologies: Next.js, React, TypeScript, Node.js, Express.js, PostgreSQL, Redis, Socket.IO, BullMQ, Docker, Stripe Connect, Google Gemini, pgvector, DigitalOcean

- Architected and delivered an AI-powered marketplace connecting food entrepreneurs with manufacturers and industry experts through semantic search, real-time messaging, escrow payments, and digital contracts.
- Led end-to-end development across three production applications—a customer platform, administrative dashboard, and Express.js API—serving a shared PostgreSQL database.
- Designed scalable frontend architecture using Next.js, TypeScript, and reusable design systems powering onboarding, messaging, contract management, marketplace discovery, and responsive user experiences.
- Built an AI recommendation engine using Google Gemini embeddings and pgvector, enabling natural-language expert matching instead of category-based filtering.
- Engineered an escrow payment platform using Stripe Connect supporting scheduled payouts, automated releases, refunds, and dispute resolution.
- Designed backend infrastructure with Redis, BullMQ, Socket.IO, Docker, and DigitalOcean to support asynchronous processing, background jobs, and real-time communication.
- Implemented CI/CD pipelines and migration-based database workflows for reliable production deployments.
- Owned the complete software lifecycle, including architecture, database design, backend development, frontend engineering, infrastructure, deployment, and continuous product improvements.

Frontend Engineer

Aufera

Jan 2023 – Sep 2024

Lagos, Nigeria

Technologies: React, TypeScript, JavaScript

- Developed production features for a peer-to-peer vehicle-sharing platform using React and TypeScript.
- Built an insurance dashboard that improved user experience and contributed to increased platform engagement.
- Developed more than 17 reusable UI components that standardized the interface and accelerated feature delivery across engineering teams.
- Introduced TypeScript into the frontend codebase, reducing runtime errors and improving long-term maintainability.

Frontend Developer

Harbor Inc. Technologies

Aug 2022 – May 2023

Lagos, Nigeria

- Designed and developed a responsive corporate website that increased user engagement by 30%.
- Reduced page load times from seven seconds to two seconds through frontend performance optimization, improving user retention and reducing bounce rates.
- Collaborated closely with designers to deliver polished, responsive interfaces focused on usability and conversion.

PROJECTS

Résumé by Temi — AI-powered ATS Resume Builder

- Architected a browser-based resume builder that generates ATS-friendly PDF resumes without requiring user accounts or server-side processing.
- Built an AI resume parser using Google Gemini that extracts structured information from PDF, DOCX, and TXT resumes into editable templates.
- Developed an ATS scoring engine evaluating formatting quality, keyword relevance, passive voice, action verbs, and job-description alignment.
- Engineered a schema-driven architecture enabling six independent resume templates to share a single validation and rendering pipeline.
- Technologies: React 19, TypeScript, IndexedDB, Google Gemini, React PDF, pdfjs-dist, Zod

WiFi Health Monitor

- Designed and built a Windows desktop application that continuously monitored WiFi health while forecasting network quality using hybrid statistical and machine learning prediction models.
- Developed an adaptive forecasting engine capable of switching between linear regression and ML.NET SSA time-series models based on available historical data.
- Built an event-driven architecture coordinating analytics, persistence, prediction, monitoring, and visualization services.
- Integrated SQLite persistence, Windows networking tools, and Ookla Speedtest CLI to provide actionable network health insights.
- Technologies: C#, WPF, .NET 8, SQLite, ML.NET

ShareSafe

- Led a team of three engineers in delivering a production-ready MVP within 45 days.
- Designed a location-aware emergency response platform supporting incident verification, geofencing, responder notifications, and community-driven validation.
- Built an emergency lifecycle workflow spanning reporting, verification, response, and resolution.
- Technologies: React Native, Expo

ChartReel

- Developed a real-time financial market visualization platform supporting live trades, historical pricing, market aggregates, and financial news through interactive charting interfaces.

Diagmentia

- Collaborated on a rule-based expert system for dementia diagnosis using production rules, inference engines, heuristics, and knowledge-based reasoning.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C#, SQL, HTML, CSS

Frontend: React, Next.js, React Native, Expo, Aurelia.js, Astro, Vue, Tailwind CSS, styled-components, TanStack Query, Zustand, Zod

Backend: Node.js, Express.js, REST APIs, Socket.IO, WebSockets, Prisma

Databases: PostgreSQL, MySQL, MongoDB, Redis, Supabase, pgvector

AI: Google Gemini, LLM Integration, Vector Embeddings, Semantic Search, Retrieval-Augmented Generation (RAG), Prompt Engineering, AI Workflow Automation

Cloud & DevOps: Docker, GitHub Actions, DigitalOcean, Vercel, CI/CD, Git, GitHub

Payments & Services: Stripe Connect, Cloudflare R2, Resend

Engineering: System Design, Software Architecture, Performance Optimization, Responsive Design, Design Systems, Agile, Scrum, Code Reviews, Technical Leadership