Chinwike Anthony Maduabuchi

Senior frontend engineer with 4 years of experience building robust web applications using TypeScript/JavaScript. Adept at full-stack software development, database management and integrating payment solutions. Passionate about leveraging AI/ML to enhance business operations.

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SKILLS

Programming Languages: JavaScript, TypeScript, SQL, Bash.
Frameworks: React.js, Next.js, TailwindCSS, Node JS, Express.js, Prisma, Tanstack Query, React Testing Library.
Databases: PostgreSQL, MongoDB, Cloudflare R2, AWS S3, Redis.
Others: Git & GitHub, Design Systems, Data Visualization, GitHub actions, Docker, AI Engineering.

WORK EXPERIENCE

Union Bank of Nigeria — Senior Frontend Developer — January 2026 – Present

Lagos, Nigeria

- Consolidated three production React applications into a unified Turborepo monorepo, improving team productivity and reducing deployment build times.
- Designed and implemented secure authentication flows (login, signup, soft token verification, password recovery) using fintech-standard security practices and layered encryption strategies.
- Built and shipped user facing loan application flows for a digital banking platform, enabling users to apply for and track loans seamlessly across the product.
- Collaborate with cross-functional teams to deliver scalable, maintainable frontend architecture across multiple client-facing platforms.

Technology in use: TypeScript, React.js, Turborepo, MongoDB.

LogRocket — Technical Writer — December 2020 – Present

Boston, US. Remote.

Technical Content Creator at LogRocket where I collaborate with a cross-functional team to create written and video technical content around web development.

- Authored and revised 30+ technical articles on frontend engineering, UX design, mobile development, and artificial intelligence, reaching a global audience of ~600k monthly readers.
- Conducted keyword research resulting in top-ranking Google SERP placements for targeted keywords (notably “redux authentication” and “react multi step form”).
- Performed regular content audits to ensure technical accuracy and alignment with latest software releases.
- Created video tutorials to complement written content and improve discoverability.

Technology in use: React.js, React Native, Davinci Resolve, AHrefs, Google Trends.

Gallery Of Code — Software Engineer & Technical Manager — September 2024 – February 2025.

Abuja, Nigeria.

Software engineer at a technology hub, focused on improving the technical quality of two products in their portfolio and mentoring trainees.

- Improved code quality and stability across two major products by auditing bugs, assigning fixes to appropriate team members, and resolving critical issues personally.
- Managing technical infrastructure of a criminal monitoring system. Responsibilities include: ensuring application services are running, working with teammates to meet project deadlines, leading meeting presentations and contributing fixes to application bugs.

- Enhanced front-end performance by implementing code-splitting and lazy loading on dashboard layouts, reducing Lighthouse page load time by 15%.
- Improved application data fetching by using TanStack Query to manage and cache server API requests gracefully.
- Improved internal product documentation, including API references and onboarding guides, reducing onboarding friction for new developers significantly.
- Lead a 3-month internship under the Cyberschool Africa –Technology Skills Scholarship, training 100+ aspiring tech professionals through a structured curriculum, real-world codebase onboarding, hybrid sessions, and capstone project mentorship in collaboration with teammates.

Technology in use: TypeScript, Node.js, Jest, React, MongoDB, AWS S3, DigitalOcean.

Freelance Software Engineer February 2025 — Dec 2025

Abuja, Nigeria.

- Developed a full-stack e-commerce engine (demo link: HairByVO) featuring dynamic product management, cart workflows, product analytics and order tracking.
- Integrated Strapi CMS for managing product content, giving non-technical users the ability to easily update and publish products without developer involvement.
- Consolidated the store front and Strapi CMS into a monorepo with a shared database package to allow logic sharing
- Integrated Paystack for real-time payment processing and webhook handling.
- Built custom deployment scripts to run the application on any Virtual Private Server, leveraging Docker Compose, a Postgres database, and Cloudflare R2 for asset storage.
- Built a simple email marketing workflow to increase customer retention.

Technology in use: Next.js, TypeScript, Postgres, Docker, Paystack API, Cloudflare.

SELECTED PROJECTS

Video Transcript AI Agent August 2025

- Prize winning project at the Mastra Hackathon — built an Artificial Intelligence agent that enable natural language queries over processed data of video transcripts (demo: Joe Rogan Podcast with Elon Musk #1470).
- Implemented a Retrieval Augmented Generation (**RAG**) pipeline, combining Postgres full-text search with vector search fallback for accurate, efficient and context-aware responses.
- Engineered prompts to dynamically generate timestamped YouTube links, eliminating the need for external tooling.

Redux User Auth: July 2022

- Created a project that demonstrates how to build and manage an authentication workflow using the MERN stack (MongoDB, Express.js, React.js and Node.js)
- Implemented Redux Toolkit for global state management and RTK Query for streamlined data fetching.
- This repository has gotten over 3,000 unique views, 80+ stars and 40+ unique clones on GitHub.

CERTIFICATIONS

- AWS Certified Machine Learning Foundations. Amazon Web Services, July 2025.
- Introduction to Generative AI with AWS. Udacity, 2025
- Introduction to Cybersecurity. Udemy, 2025.

EDUCATION

Nnamdi Azikiwe University, Awka, Anambra state, Nigeria: Dec 2021

Bachelor of Engineering (B.Eng.) in Electronic and Computer Engineering.

2nd Class (Lower Division) Honours.

Coursework: Mathematics, Electrical Engineering, Software Engineering, Relational databases.