Chinwike Anthony Maduabuchi

Experienced frontend engineer with 5 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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WORK EXPERIENCE

Real-Tech Studio — Lead Software Engineer

February 2025 — Present

- Developed a personal full-stack e-commerce engine (demo: <u>HairByVO</u> test link) featuring dynamic product management, cart workflows, product analytics and order tracking.
- Built a robust Express + TypeScript backend with modular route handling, middleware, and validation for secure API interactions.
- Integrated Paystack for real-time payment processing and webhook handling.
- Integrated Strapi CMS for managing product content, giving non-technical users the ability to easily update and publish products without developer involvement.
- Built custom deployment scripts to run the application on any Virtual Private Server, leveraging GitHub
 Actions for continuous integration, Cloudflare R2 for asset storage, and Email Routing for domain
 management, with Traefik handling reverse proxy and SSL.
- Built a simple email marketing workflow in Brevo to increase customer retention.

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

LogRocket — Technical Writer

December 2020 – Present

Boston, US. Remote.

Freelance 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 <u>30+ technical articles</u> on frontend development, 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.

<u>DTH Africa</u> — Frontend Developer

August 2023 - July 2024

Abuja, Nigeria

Served my <u>NYSC</u> primary assignment as a Software Developer in DTH Africa (a technology accelerator supporting African founders) working on the initial version of a real-estate software, <u>Xpirealtyltd</u>, to facilitate buying, renting and selling.

- Implemented landing page and onboarding screens from Figma
- Collaborated closely with backend engineers to integrate REST APIs for authentication, property listing and filtering flows.
- Implemented global state and server-side data fetching with Zustand and TanStack Query respectively, improving code maintainability.
- Technology in use: TypeScript, Next.js, TailwindCSS, MongoDB, TanStack Query, Jest, React Testing Library.

Brydge. — Frontend Developer

November 2022 – February 2023

Lagos, Nigeria

Freelance Frontend Engineer brought in to build intuitive user interfaces for Brydge — a B2B tool for global payments.

- Implemented authentication flows including login, signup OTP verification, and password recovery pages based on Figma designs using Next.js, TypeScript and Tailwind CSS.
- Implemented session authentication using Axios.
- Collaborated with backend engineers and tech leads to discuss API structure and ensure seamless integration with the frontend.
- Worked across the full stack by setting up the Python backend locally, running services via Docker, and querying a PostgreSQL database for testing.
- Wrote unit and integration tests with Jest and React Testing Library to ensure frontend stability and performance.

Technology in use: TypeScript, Next.js, Python, Docker, PostgreSQL.

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.

SKILLS

Programming Languages: JavaScript, TypeScript, SQL, Bash, Python.

Frameworks: React.js, Next.js, TailwindCSS, Node JS, Express.js, Prisma, Tanstack Query, React Testing Library.

Databases: Postgres, MongoDB, Cloudflare R2, AWS S3, Redis.

Others: Al Engineering, Git & GitHub, Docker, Docker, Design System, Data Visualization, Performance Optimization,

Serverless, GitHub actions.