

Emmanuel Obiechina

emmanuelobiechina8@gmail.com | +234(7062)944660 | github.com/chubuike-19 | linkedin.com/in/emmanuelobiechina

Technical Skills

Languages: Python, Go, JavaScript, TypeScript, SQL, HTML, CSS

Frameworks & Libraries: Next.js, Node.js, React, React Native, Redis, NumPy, Django, Jest

AI-Assisted Development: AI coding tools and the Model Context Protocol (MCP), owning the review, testing, and correctness of all of Shipped code

Problem-Solving & Algorithms: Strong foundation in data structures, algorithms, and complexity analysis, with regular practice in Python.

Tools & Platforms: Linux, Git, GitHub, Docker, Kubernetes, PostgreSQL, MongoDB, GCP, Supabase, AWS (Lambda, S3, Textract)

Education

University of Lagos

Bachelor of Science, Petroleum and gas Engineering

Lagos, Nigeria

Experience

Devspot

Nov 2024 - Present

Fullstack Engineer

San Francisco, US (remote)

- Optimized a full-stack web application (React, Python, Node.js) for a developer platform with 8,382+ registered users, identifying and resolving performance bottlenecks to improve page load times.
- Redesigned authentication and session management across client and server, implementing secure API middleware used in production across 11 global hackathons.
- Built an end-to-end image cropping and upload pipeline (React, Node.js, AWS S3) for user profile customization.
- Used AI-assisted development tools (e.g., GitHub Copilot, prompt engineering workflows) to accelerate feature delivery across a platform supporting 1,251+ project submissions.
- Integrated **Twilio** to build and support DevSpot's messaging functionality, enabling reliable real-time communication between users and improving the overall in-app communication experience.
- Built full-stack workflows integrating backend services and UI components to support prize distribution and an automated project-scoring system (JudgeBot) across \$370K in deployed capital.

Rova

Mar 2025 - April 2026

Senior Frontend Engineer(contract)

Lagos, Nigeria

- Built FCMB Business Online, the corporate internet banking web platform: accounts, payments, beneficiaries, transaction authorization and multi-level approvals
- Single-handedly built the corporate banking admin portal: business accounts, corporate onboarding, staff administration, single and bulk transaction approvals, session management and account locking, unlocking and flagging.
- Implemented maker-checker authorization for sensitive administrative actions and granular RBAC across 12+ administrative roles with distinct read and write permissions, plus comprehensive audit logging.
- Developed transfer and multi-level transaction approval UI flows, coordinating with backend (Java/SQL) and DevOps (Docker, AWS) teams to meet banking security and compliance requirements.
- Built the React Native mobile banking app for corporate customers: account management, transaction initiation and authorization with approval hierarchies

Browndot

Mar 2024 - Sept 2024

Frontend Engineer

Lagos, Nigeria

- Built a shareable library of 20+ reusable React components adopted across the codebase, removing approximately 15,000 lines of duplicated code and standardizing UI patterns across platforms.
- Mentored 3 junior developers through code reviews and pairing sessions, improving the quality and consistency of their code before it reached review.
- Created a structured pull request template that clarified context, scope, and testing steps for reviewers, increasing peer review participation and reducing back-and-forth during review.

- Built an English-to-Pidgin translator using Python and NLP techniques, facilitating cross-language communication for underserved communities.
- Developed a certification system automating certificate generation for student courses, integrating backend services with SQL databases.
- Built an event management system with automated scheduling that detected and prevented time-slot conflicts before confirmation, replacing manual scheduling checks
- Participated in an in-house hackathon, collaborating with a team to develop an innovative energy solution addressing challenges on campus.

Technical Projects

Co-Founder & Developer – Stream2Peer (open-source, 41 stars, 15 forks)

- Co-founded and built a decentralized live-streaming platform on Livepeer's transcoding protocol as one of 3 contributors, enabling simultaneous broadcast to YouTube, Twitch, and LinkedIn from a single source.
- Solved cross-platform stream synchronization by integrating the Livepeer SDK to reliably fan out a single input stream across multiple destination platforms with differing ingest requirements.
- Built the React/Vite frontend and Express/MySQL backend as a pnpm monorepo, including multi-guest support and browser-based streaming with no client downloads.

Open-Source Contributor – Roadmap.sh (367k+ GitHub stars)

- Merged 15 pull requests improving documentation across developer roadmaps used by millions of developers worldwide.
- Helped onboard new contributors to one of GitHub's most-starred projects, supporting a large-scale open-source contributor community.