MANFRED TOCHUKWU

SOFTWARE ENGINEER / FULL-STACK & BACKEND

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GitHub • LinkedIn • Portfolio: editorsquote.netlify.app

PROFILE

Software engineer building web, mobile and backend products since 2019, primarily with TypeScript, React, React Native and Node.js. Experience spans real-time APIs, recommendation algorithms and LLM integrations; independent products include a published Android app and an open-source ranking engine.

TECHNICAL SKILLS

Primary TypeScript, JavaScript, React, React Native, Next.js, Node.js, NestJS, REST APIs, WebSockets
Data & infrastructure PostgreSQL, MySQL, SQLite, ORM development (Prisma), Git, API integrations
AI & engineering OpenAI / Anthropic APIs, LLM fallback design, regression / integration testing, system design
Previous / specialized Python / FastAPI, PHP / Laravel, Chrome extensions (Manifest V3), Solidity / Ethers.js

EXPERIENCE

Freelance Software Engineer Independent | 2019–Present

- Owned end-to-end development of client and independent web/mobile products: requirements, architecture, implementation, testing and delivery.
- Built an algorithmic trading stack spanning a Python signal engine, backtesting, WebSocket delivery, and web/mobile dashboards.
- Integrated multi-provider LLM APIs and browser-extension capture into a structured AI research workflow.

Software Engineer CV2 Career | 2024

- Maintained a production Next.js jobs platform, investigated defects and shipped changes in an existing team codebase.

Software Engineer GTComNet | 2020

- Maintained Laravel APIs supporting Vue applications in medical and real-estate domains.

SELECTED PROJECTS

Dlope — Regional Feed Ranking Engine | Code & tests

TypeScript • Node.js • Ranking & retrieval • Regression testing

Built region-prioritized discovery with cross-region expansion, policy/visibility filters, author diversity and session delivery. Published 4,570 regression cases (4,568 passing, 2 TODO) and in-memory benchmarks up to 30,000 synthetic posts; not production-integrated.

BoBisQuote / BoBI Trades — Web & Android Journal | Website · Google Play

React • TypeScript • React Native • Node.js

Shipped a web trading journal and published its Android companion on Google Play (100+ downloads); features emphasize behavior tracking, checklists and trading review.

Comnigent — AI Decision-Intelligence Companion

TypeScript • React • FastAPI • Chrome extension (MV3) • LLM APIs

Built a structured chart/screen/audio capture workflow and a configurable OpenAI/Anthropic integration with provider fallback.

MT5 Trading Platform — Engine & Data Bridge | Engine · Data bridge

Python • TypeScript • React • React Native • WebSockets

Developed the signal engine, backtesting tools, real-time market-data bridge, and dashboards; shared engine and data-service repositories.

Earlier work PostStream / Bunzilla (Telegram); ComboDex (wallet and swap UI) · Repository