Cosmas Onyekwelu

Full-Stack Developer · MERN · Node.js · React · MongoDB

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Summary

Full-stack software engineer focused on clean, scalable products. I build CRM systems, social platforms, and trading dashboards end-to-end from API design and data modeling to secure auth and polished, accessible UIs.

Technical Skills

- Languages: JavaScript, PHP, Python
- Frontend: React, Vite, Tailwind, Zustand, TanStack Query
- Backend: Node.js, Express, REST, WebSockets, MVC patterns
- Data: MongoDB, Mongoose, Aggregations, Indexing
- Security: AuthN/AuthZ, JWT, Cookies, TOTP/2FA, RBAC, Validation
- DevOps: Git/GitHub, GitHub Actions (CI), Docker (basics)
- Testing: Postman collections, smoke/contract checks
- Tools: VS Code, ESLint/Prettier, GitHub Projects

Certifications & Training

Fullstack Web Development (JavaScript) - Tech Studio Academy (Oct 2024 – Feb 2025)

- Tech: HTML, CSS, JavaScript (ES6+), React.js, Node.js, Express.js, MongoDB, Git/GitHub

Back-End Web Development - New Horizons Nigeria (May 2025 – Aug 2025)

- Tech: PHP, MySQL, Laravel, REST APIs, Git/GitHub, Node.js, MongoDB

Backend Development with Python/Django - Univelcity (Sept 2025 – Present)

- Tech: Python, Django, PostgreSQL, REST APIs, Authentication (JWT/OAuth), Deployment

Experience

Independent Full-Stack Developer • 2018–Present

- Designed modular REST services with clean MVC; added seeders/fixtures and migration-safe schemas
- Implemented secure auth with cookies/JWT, optional TOTP/2FA, RBAC; added rate-limits and request validation
- Built responsive React front-ends (Vite, Zustand, TanStack Query); delivered real-time UX via WebSockets
- Set up CI checks (GitHub Actions) and Postman tests; maintained readable API docs and change logs

Selected Projects

- Bitcoin Transaction Screenshot Generator - Interactive tool to create realistic Bitcoin transaction screenshots with custom amounts, addresses, and network fees. Stack: React, Tailwind CSS, Blockchain API
- Zura CRM - Zoho-style CRM with leads, deals, quotes/invoices, documents, and calendar. Stack: Node.js, Express, MongoDB, React
- TwitterPlus - X/Twitter-style social app: timelines, profiles, DMs (voice notes), robust auth, mobile-first UI
- RefTrader - Crypto trading dashboard with risk controls, auditability, and real-time telemetry. Node.js + React (Demo coming soon)

Education & Ongoing Learning

Continuous learning in systems design, data modeling, and performance profiling; Python scripting for automation; exploring Web3 integrations and React Native.