

ISAAC OMENUCHE (FLAMES)

Software Engineer | Full-Stack Development, Backend Systems & Real-Time Applications

Email: isaacomenuche@gmail.com

Website: <https://hiflames.dev>

LinkedIn: <https://www.linkedin.com/in/isaac-omenuche>

GitHub: <https://github.com/iflames1>

SUMMARY

Full-stack Software Engineer experienced in designing, building, and deploying scalable web applications, real-time systems, and blockchain-powered products. Skilled across the entire development lifecycle, from frontend interfaces and backend services to databases, infrastructure, and production deployment.

Specialized in Rust backend development, modern TypeScript applications, distributed systems, and real-time communication. Experienced in taking products from idea to production, owning architecture decisions, and building reliable systems focused on performance, maintainability, and user experience.

TECHNICAL SKILLS

Programming Languages

Rust, TypeScript, JavaScript, Go, Python, C

Frontend Development

Next.js, React, TypeScript, Tailwind CSS, shadcn/ui, TanStack Query

Backend Development

Rust, Axum, Tokio, WebSockets, REST APIs, Async Programming, Background Workers, API Design

Databases & Data Management

PostgreSQL, Redis, Drizzle ORM, Database Design, State Management

Infrastructure & Tools

Docker, Linux, Git, CI/CD, Vercel, DigitalOcean, Render, Railway

Blockchain Development

Stacks Blockchain, Clarity Smart Contracts, SIP-010 Tokens, Wallet Integrations, x402 Payment Protocol

PROJECTS & EXPERIENCE

Founder & Full-Stack Engineer - Stacks Wars

Live Multiplayer Gaming Platform on Stacks Blockchain

Technologies: Rust, Axum, Tokio, WebSockets, Next.js, PostgreSQL, Redis, Stacks Blockchain

Designed and developed a full-stack multiplayer gaming platform from concept to production.

Built the backend architecture using Rust, Axum, and Tokio to support real-time gameplay and application services.

Developed WebSocket-based communication systems for live game sessions, matchmaking, and player interactions.

Built frontend experiences using Next.js and TypeScript, creating responsive interfaces for multiple multiplayer games.

Designed data systems using PostgreSQL and Redis for persistent storage, caching, player sessions, and real-time state management.

Integrated blockchain functionality including wallet authentication, transaction handling, and smart contract interactions.

Developed and shipped multiple games including Lexi Wars, Ludo, Ludo Rush, and Checkers.

Grew the platform to over 100 users and received a \$5,000 ecosystem grant from the Stacks community to improve the product and infrastructure.

Project:
<https://stackswars.xyz>

Founder & Full-Stack Engineer - Chill Flow

Programmable Payment Agreement Platform

Technologies: Next.js, TypeScript, PostgreSQL, Drizzle ORM, Stacks Blockchain

Designed and built a platform for creating automated payment agreements with milestone-based and scheduled payment workflows.

Developed the complete application architecture, including frontend interfaces, backend logic, database models, and blockchain integrations.

Built user authentication and wallet connection flows to support secure blockchain-based interactions.

Designed database schemas for users, payment agreements, milestones, and transaction tracking.

Implemented workflow automation for payment approvals, scheduled releases, and transaction processing.

Built reliable user experiences connecting traditional web applications with blockchain payment infrastructure.

Project:
<https://chill-flow.vercel.app>

EDUCATION

Bachelor of Science - Computer Science

Delta State University

Software Engineering Program

ALX Africa

ADDITIONAL INFORMATION

Experienced in independently building and launching products from initial idea through development, deployment, and iteration.

Strong interest in backend systems, real-time applications, distributed systems, fintech, and blockchain infrastructure.

Comfortable working across frontend, backend, databases, infrastructure, and product decisions.

Passionate about building software that solves real-world problems and delivers meaningful user experiences.