Joshua Hassan

Full Stack Blockchain Developer
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Portfolio: https://joshuacodes.cutejosh2.workers.dev
GitHub: http://github.com/skynette

Summary

Innovative and detail-oriented Full Stack Developer with 4+ years of experience building and scaling backend APIs, frontend applications, and distributed systems. Proficient in Python, JavaScript/TypeScript, and frameworks like FastAPI, Django, and React. Experienced in containerized development using Docker. Passionate about building clean, modular, and secure systems with growing interest in AI/LLMs and prompt-based automation.

Core Skills

- **Languages:** Python, TypeScript, JavaScript (ES6), SQL, Solidity
- **Backend:** FastAPI, Django, Node.js, Express
- **Frontend:** React.js, Next.js, Tailwind CSS, Shadcn UI, Rainbow Kit, Thirdweb
- **DevOps:** Docker, GitHub Actions, Railway, Redis
- **Databases:** PostgreSQL, MySQL
- **Tools:** Celery, Telegram Bot API, OpenAI, Postman, Git, Hardhat, Remix IDE, Truffle
- **AI/LLMs:** ChatGPT API, Claude Sonnet, Gemini, Prompt Engineering

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Professional Experience

Senior Blockchain Developer (Full-Time) – Shortlet-Lagos

Mar 2024 – Present

- Architected a decentralized real estate platform securing 1B+ in tokenized assets using smart contracts and modular web architecture.
- Led and mentored a team of developers, enforcing best practices and overseeing code quality through structured reviews.
- Built and deployed frontend using **Next.js (TypeScript) + NodeJs + Tailwind CSS**, reducing client onboarding time by 40% through improved UX/UI.
- Integrated backend systems with smart contract logic, ensuring end-to-end traceability and reliability.

Full-Stack Blockchain Engineer (Part-Time) – PODX

Oct 2024 – Present

- Co-developed a decentralized live audio streaming app enabling real-time podcasting and tipping.
- Implemented scalable backend architecture and **smart contract integration** to support on-chain content monetization.
- Utilized **TypeScript, OpenAI Web3 tools**, and modular API design to support rapid feature development.

Full-Stack Developer (Part-Time) – Budescode Academy

Sept 2023 – Feb 2024

- Developed and maintained robust backend APIs using **Python (Django)** and **PostgreSQL**, enabling seamless data flow across the platform.
- Enhanced API security and error handling, contributing to increased system reliability.
- Boosted performance through caching strategies, lazy loading, and static file optimization.
- Collaborated across frontend/backend teams to ship features aligned with clean architecture principles.

Frontend Developer (Freelance) – Accuvend

Nov 2023

- Delivered an intuitive, responsive admin dashboard with **React.js** and **Tailwind**, improving usability across devices.
- Built reusable UI components and ensured seamless integration with backend services via REST APIs.
- Actively contributed to feature planning and sprint execution alongside product stakeholders.

Full-Stack Web Developer (Freelance) – Spire Edge Properties

Aug 2020 – Dec 2020

- Developed and deployed a digital property listing site that increased lead conversions by 40%.
- Built modular, mobile-first layouts with custom property filtering, enhancing user search experience.
- Integrated backend logic for listing management, location-based filtering, and analytics tracking.

Projects

FinanceBot – Telegram AI Finance Tracker

FastAPI, Django, Redis, Docker

- Built a bot that parses income/expense data via Telegram and stores persistent transaction records.
- Developed a FastAPI webhook service for real-time command handling with keyboard responses.
- Dockerized for local dev and cloud deployment.

AI Solana Wallet Analyzer

Next.js, OpenAI API, Solana API

- Analyzed wallet transaction patterns and generated AI-powered summaries using prompt engineering.

CafeKing – Modern Food Delivery Platform

React, TypeScript, Node.js, MongoDB, Auth0, Cloudinary

- Developed a full-stack food ordering platform with real-time order management and secure payment processing.
- Implemented user authentication with Auth0 and integrated Cloudinary for image management.
- Built a responsive frontend using React with TypeScript, Tailwind CSS, and modern UI components.

- Created a RESTful API backend with Express.js, MongoDB, and implemented secure payment processing with Flutterwave.

FundFair – Decentralized Crowdfunding Platform

Next.js, TypeScript, Solidity, Python, Tailwind CSS

- Developed a blockchain-based crowdfunding platform enabling borderless support and donations.
- Implemented smart contracts in Solidity for secure and transparent fund management.
- Built a modern web interface using Next.js with TypeScript and Tailwind CSS for responsive design.
- Created a Python backend service for handling complex business logic and API integrations.
- Integrated Web3 functionality for seamless cryptocurrency transactions and wallet connectivity.

Crypto Lottery – Decentralized Lottery Platform

Next.js, Solidity, TypeScript, ThirdWeb, Base Blockchain

- Developed a decentralized lottery application on Base blockchain with automated prize distribution.
- Implemented smart contracts for ticket sales, random winner selection, and secure fund management.
- Built a modern web interface using Next.js and TypeScript with real-time lottery status updates.
- Integrated ThirdWeb SDK for seamless blockchain interactions and wallet connectivity.

TimmyTurner – NFT Minting Platform

Next.js, TypeScript, ThirdWeb, Tailwind CSS

- Developed a full-stack NFT minting platform with secure blockchain integration.
- Implemented ThirdWeb SDK for seamless NFT creation, minting, and wallet connectivity.
- Built a responsive web interface using Next.js and TypeScript with modern UI components.

Education

Bachelor of Engineering (Mechanical Engineering)

University of Benin, Edo State 2016 – 2022

Certifications & Community

- Mentor, Gritin AI (2025)
- Google DevFest Volunteer (2023, 2024)
- Python Tutor, Group Lead (2020)