

Seth Ndlovu

Freelance Full-Stack Developer

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EXPERIENCE

Freelance Full-Stack Developer, Remote — *Various Companies*

June 2020 - PRESENT

Built and deployed various full-stack applications for startups and agencies, specializing in Web3 and blockchain technology.

Worked with a team of software engineers to deliver high-quality freelance projects, showcasing collaborative skills and independent efficiency.

Developed custom software solutions, including a real-time text editor, algorithm visualizer, and a neural network system using Python.

Pentloop (Startup), Mbombela — *Web Developer*

March 2024 - August 2024

Collaborated with a fast-paced startup to design and implement scalable web applications.

Worked on a variety of projects, demonstrating deep technical expertise in JavaScript and TypeScript.

EDUCATION

Self-Taught Programmer

Completed numerous online courses and bootcamps in full-stack development, Web3 technologies, AI, and blockchain. Continuously learning and applying new techniques and frameworks.

PROJECTS

RediJS — *A high-performance, custom-built Redis solution in JavaScript*

A high-performance, custom-built Redis implementation in JavaScript, designed for efficient data management and caching solutions. RediJS offers enhanced flexibility and scalability tailored for developers looking to manage data with optimized performance in JavaScript environments

SKILLS

Languages & Technologies: JavaScript, TypeScript, Python, Next.js, Node.js, Web3, Redis, Git

Frameworks & Tools: React, Redux, Shadcn UI, Ethereum Mainnet, Docker, Neural Networks, Binance API

Collaboration: GitHub, Agile Methodologies, Remote Teamwork, Code Reviews

Other Skills: Problem Solving, Communication, Team Collaboration, Efficient Coding, Web Development, Full-Stack Engineering

AWARDS

Third Place – Science Exposition (2023)

Awarded for a science project focused on [specific topic]. Shifted focus to full-stack development after excelling in competitive expos.

BinanceLink — *A decentralized Web3 application integrating Binance API for secure crypto transactions*

A decentralized Web3 application that integrates the Binance API for secure cryptocurrency transactions. Built using TypeScript, BinanceLink enables users to interact with the Binance blockchain, manage digital assets, and execute trades securely, all within a user-friendly interface.

BlockForge — *A custom blockchain designed to explore decentralized ledger technology*

A custom blockchain designed to explore the inner workings of decentralized ledger technology. BlockForge showcases the fundamental principles of blockchain, including transaction verification, consensus mechanisms, and block creation, making it a valuable tool for learning and innovation in blockchain development.

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PyNeuron — *A Python-based neural network for predictive analytics and AI exploration*

A Python-based neural network created for predictive analytics and artificial intelligence exploration. PyNeuron allows users to build, train, and test neural network models, offering insights into deep learning algorithms and machine learning techniques.

Nexa Accounting — *A blockchain-powered accounting automation platform for secure financial management*

A blockchain-powered accounting automation platform built using TypeScript and Next.js. AccuChain streamlines financial management by automating accounting processes, enabling businesses to securely record transactions, track assets, and generate reports with blockchain-backed transparency and immutability.

LiveText — *A collaborative real-time text editor with seamless sharing and editing capabilities.*

A collaborative real-time text editor developed with TypeScript and Next.js, providing seamless text editing and sharing capabilities for remote teams. LiveText supports real-time synchronization, allowing multiple users to edit documents simultaneously with minimal latency and maximum efficiency.

GitLite—*A lightweight, custom version control system built from scratch in JavaScript.*

A lightweight, custom-built version control system implemented in JavaScript. GitLite simplifies the process of tracking changes to code, managing branches, and collaborating on software development projects, offering a streamlined alternative to traditional Git systems.

TorrentX—*A peer-to-peer file-sharing client built to explore the mechanics of BitTorrent.*

A peer-to-peer file-sharing client built from the ground up in JavaScript, TorrentX explores the mechanics of the BitTorrent protocol. It enables users to distribute and download large files efficiently using decentralized networks, all while demonstrating the principles of P2P communication.

AlgoViz—*An interactive platform for visualizing sorting and pathfinding algorithms in real time.*

An interactive platform for visualizing sorting and pathfinding algorithms in real time. AlgoViz, built with TypeScript, provides a dynamic learning experience for developers and students, offering step-by-step visualizations of algorithms like quicksort, mergesort, and Dijkstra's algorithm to enhance understanding of computational processes.

Additional Interests

- Full-stack development, Blockchain, AI, and machine learning.
- Passionate about exploring decentralized systems, collaborative coding, and building cutting-edge software.

Summary

Passionate and self-taught freelance programmer with extensive experience in full-stack development, specializing in JavaScript, TypeScript, Python, and Web3 technologies. I have successfully collaborated with startups like Pentloop, agencies, and other engineers, delivering high-quality, efficient results. My experience includes developing complex software solutions such as a personal blockchain, Web3 applications, and automation systems. Skilled in working independently and remotely, with a strong track record of producing innovative projects that demonstrate my expertise in programming and problem-solving.