

Sylvester Olawale

Senior Frontend | Fullstack Web3 | DApp Developer

As a certified full-stack engineer specializing in TypeScript, Javascript, Next, React, Tailwind, Node, DBs, Web3 tools and technologies, I bring 6+ years of experience in developing robust decentralized applications. My expertise has contributed to the success of top tech companies, securing significant funding and launching globally recognized products.

CONTACT

slyolawale@gmail.com

LINKS

<https://www.linkedin.com/in/bada-olawale-sylvester/>

<https://github.com/williamsly>

<https://waliba.vercel.app/>

EXPERIENCE

Senior Web3 Frontend Engineer

Tower Dex · Jun 2025 - Present

Architected comprehensive DeFi trading platform featuring swap functionality and Uniswap V3 concentrated liquidity management

- Implemented sophisticated concentrated liquidity management for Uniswap V3 pools, translating advanced position mathematics, such as tick-spacing and liquidity range calculations into intuitive UX with real-time calculations and dynamic position detection.
- Built high-performance token swap interface with real-time price discovery, slippage protection, and multi-DEX routing optimization to ensure best execution and minimal MEV exposure.
- Engineered robust validation systems across swap and liquidity interfaces with transaction simulation, price impact warnings, and comprehensive error handling to protect users from costly mistakes.
- Integrated modular smart contract interaction layers for Uniswap V3 and ve(3,3) protocols, leveraging wagmi/viem to interface with NonFungiblePositionManager, SwapRouter, Quoter, and Voter contracts with gas-efficient execution ensuring reliable transaction flow management.
- Pulled on-chain and historical data using The Graph subgraphs and custom REST endpoints for swaps, liquidity positions, and volume analytics to power interactive dashboards and price charts.
- Optimized performance through advanced virtualization using react-virtual for token listings, comprehensive caching strategies (Tanstack Query), and state management with Zustand.

Senior Web3 Fullstack Engineer

Hyperloom | Sprout DeFi | PsyDao | Linum Labs · July 2024 - Jun 2025

Led the development of the Hyperloom playing a pivotal role in redefining the trading experience for meme tokens in the solana ecosystem

- Designed and implemented an intuitive, high-performance user interface for trading Solana-based tokens, enabling seamless buy and sell functionality.
- Created efficient systems to dynamically fetch and display Pumpfun/Raydium token details, ensuring users always accessed real-time, accurate information.
- Leveraged cutting-edge technologies like Next.js, React.js, TypeScript, and Tailwind to deliver a responsive and scalable UI.
- Integrated WebSockets for real-time updates on token prices, trade activity, and market analytics, providing a responsive trading interface.
- Implemented secure user auth with token-based access control, with privy integration enabling personalized trading dashboards and safeguarding user data.
- Collaborated with backend engineers to streamline API integration, reducing latency and improving data accuracy.
- Integrated TradingView charts with OHLC (Open, High, Low, Close) historical data to deliver deep market insight and better trading decisions.

Led the development of the Sprout DeFi platform, a project dedicated to optimizing Ethereum staking and enhancing yield strategies through innovative defi solutions.

- Led the design and implementation of Sprout DeFi's user interfaces, focusing on enhancing the usability and functionality of its DeFi staking platform.
- Collaborated closely with the product and design teams to translate complex DeFi mechanisms into intuitive and user-friendly experiences.
- Integrated key staking functionalities with Wagmi and Viem for robust and secure smart contract interactions.
- Architected and implemented a scalable and maintainable Web3 frontend framework utilizing React, Next.js, TypeScript, and Chakra UI, ensuring seamless integration and responsiveness across devices

LANGUAGES

Typescript Solidity Python SQL Rust

Javascript PHP HTML5 CSS3

FRAMEWORKS II LIBRARIES

React Nextjs Nodejs Redux Tailwind

Material UI Radix/Shadcn Nestjs MongoDB

React Native WebSockets Tanstack Zustand

GraphQL REST APIs PostgreSQL Strapi

Wagmi web3modal Hardhat Infura Jest

Web3js/Ethersjs TheGraph Docker AWS

Google Cloud Firebase Supabase Threejs

Wordpress Git/Gitlab Vercel D3.js Chart.js

SKILLS

React Component Design TDD Figma Design

Team Leadership Project Management

Web Design Technical Writing

SEO Market Research Copywriting


Digital Marketing Content Marketing

EDUCATION

Bachelor of Engineering

Major: Structural Engineering

CERTIFICATIONS

TRIPLEBYTE 

Senior React Engineer 2022

CODING WITH MOSH

React | React Native Expert

Mosh Academy. Jan 2022.

UDEMY

FullStack Web Developer

The App Brewery London. March 2022

UDEMY

Frontend Web Developer

Zero to Mastery Academy. March 2022

UDEMY

Digital Marketing Professional

Codestars. March 2021

UDEMY

Digital Marketing Expert

Google Inc. Feb 2021

AWARDS

Merit Award for Most Versatile Employee

REFERENCES

Available on request.

Led the development of the PsyDao NFT ecosystem, a project dedicated to advancing psychedelic science and art through innovative tokenization

- Integrated ERC-721 and ERC-1155 smart contracts, leveraging the power of Wagmi and Viem libraries for secure and efficient Web3 interactions.
- Led the integration of subgraph, crafting and optimizing GraphQL queries to fetch and display blockchain data with precision and efficiency.
- Managed and periodically updated subgraphs to align with evolving client needs, ensuring high availability and real-time access to nft data
- Participated in code reviews and documentation, fostering a culture of continuous improvement and knowledge sharing within the team
- Coordinated sprint meetings utilizing Jira, streamlining project management and tracking progress efficiently, Also engaged with the community by responding to issues, which helped in prioritizing feature development and bug fixes.

Lead Developer | Senior Frontend Developer

Zuzalu Core Team - ECF · July 2023 - June 2024

I worked with Vitalik on CarbonVote V2, a platform for gauging community sentiment on proposals related to the Ethereum network.

- Implemented robust user authentication with PCDpass (Zupass) and streamlined wallet connectivity using RainbowKit, focusing on security and ease of use.
- Integrated the blockchain's poll smart contracts with ethers.js, and utilized tools like Wagmi and Viem which provided React hooks for efficient interactions.
- Utilized D3.js for custom, interactive visualizations and Chart.js for interactive and responsive charts visualizing voting results and statistical poll data.
- Optimized application performance and scalability to handle increased user interactions using Nextjs Optimization techniques like Server-side rendering resulting in a 50% improvement in load times
- Employed Zustand for efficient global state management, ensuring responsive and consistent application behavior.
- Developed and executed a comprehensive testing strategy including unit tests, integration tests, and user acceptance testing to ensure application reliability.

Web3 Full-Stack Developer

Ethereum Community Fund · September 2022 - June 2024

- Drove the integration of user-facing features with cutting-edge technologies like NextJS, ReactJS, Radix-ui, and TailwindCSS, leading to a significant improvement in application performance and user satisfaction.
- Utilized Storybook for developing and testing isolated UI components, enabling faster iterations and improving collaboration between developers and designers.
- Streamlined wallet functionality and authentication using Metamask, expanding user accessibility and financial interaction capabilities.
- Employed Redux for efficient global state management, and designed RESTful APIs to ensure seamless communication between frontend and backend services.
- Architected a robust backend infrastructure configuring MongoDB using MongoDB Atlas, NestJS, and TypeScript, deployed Swagger UI on Google App Engine to facilitate API documentation and testing, and employed Postman for endpoint testing, maintaining high standards of reliability and performance.
- Implemented Redis as an in-memory data store for caching and session management, enhancing application performance and scalability.
- Implemented CI/CD pipelines using GitHub Actions to automate testing and linting, ensuring code quality.

Frontend Engineer | DApp Developer

Dotlaunch · Oct 2020 - August 2022

- Developed and integrated reusable components and front-end libraries utilizing Next.js/ React/ Typescript, translating designs and wireframes into high-quality code, optimizing components for maximum performance across a vast array of web-capable devices and browsers.
- Coordinated, oversaw and tested smart-contract integration with the front-end interface using RPC providers and web3.js/ethers.js libraries
- Leveraged Vercel for optimized deployment and performance of the DApp, ensuring efficient CI/CD workflows and enhanced user experience through edge functions.
- Responsible for the training and mentoring of junior developers, holding presentations and technical talks about topics such as Blockchain, DeFi, Javascript and React Best Practices.