

Sammed S Betadur | Full Stack Web3 Developer

[Telegram](#) | sammed2110@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [X](#) | Bengaluru, India (UTC +5:30)

SUMMARY

With deep expertise in full-stack Web3 development and hands-on experience in DeFi, I specialize in building scalable dApps, integrating wallet infrastructure, and optimizing blockchain performance. My work spans smart contract development, event-driven systems, and analytics dashboards. I'm passionate about crafting seamless user experiences and secure, production-grade blockchain applications.

TECHNICAL SKILLS

Languages and Libraries: Solidity, TypeScript, JavaScript, React.js, ethers.js, React Redux, Zustand

Frameworks and Tools: Next.js, Node.js, Express.js, Hardhat, Foundry, TailwindCSS, Material-UI

Database and APIs: MongoDB, REST API, GraphQL

DevOps and Developer Tools: Git, GitHub, Docker, AWS, Vercel, IPFS

EXPERIENCE

o.xyz – Contract Frontend Developer

Remote Feb 2025 – Mar 2025

- Developed and implemented **new features** for the **subscription page**, enhancing **user experience** and functionality.
- Conducted **frontend penetration testing** to identify and mitigate potential vulnerabilities.
- Implemented **input sanitization techniques** to prevent **SQL injection** and **XSS attacks**.
- Integrated **NPM packages** for automatic **input validation** and **sanitation** across user-facing forms.
- Established **client-side security safeguards** and protocols to maintain **data integrity** and defend against **malicious queries**.

Zeru.finance – Full Stack Web3 Developer

Apr 2024 – Feb 2025

- Redesigned and optimized Zeru Finance, a full-stack DeFi lending protocol with derivatives and LPs, using **Next.js**, **React**, and **TailwindCSS**. Improved performance and UX across dashboard, metrics, and wallet features.
- Built robust frontend modules that interact with complex smart contracts handling **lending**. Managed real-time state updates using **Zustand** and **Tanstack Query**.
- Developed a **comprehensive metrics page** visualizing **Total Value Locked (TVL)**, open positions, and credit reserves while dynamically computing user **ZScores** for over **90,000 wallets**.
- Engineered a backend service using **Express.js** and **MongoDB** to run a reward engine that synchronized **6,000 wallets concurrently** using **AWS SQS**, listening to events across multiple chains like **Base** and **Arbitrum**, **Berachain testnets**.
- Integrated secure wallet connections with **Wagmi** and **RainbowKit**, ensuring seamless onboarding and interaction across EVM-compatible networks.
- Optimized smart contract interaction using **Ethers.js**. Boosted app performance score from **40 to 70**.
- Simulated AWS stack using **Docker containers** and **local SQS queues**, reducing event loss to **0%** and speeding up testing workflows. Deployed backend on **AWS** to scale for high-traffic operations.
- Designed highly responsive UI with **TailwindCSS** and animated components via **Framer Motion**, increasing mobile retention rate by **50%** and enhancing visual appeal.
- Extensive hands-on with: **Next.js**, **TypeScript**, **Zustand**, **MongoDB**, **TailwindCSS**, **Node.js**, **Wagmi**, **RainbowKit**, **Tanstack Query**, **Docker**, **AWS**, **docker**, **Framer Motion**, **Ethers.js**.
- Delivered scalable, production-grade features across both frontend and backend layers of Zeru Finance, showcasing strong problem-solving and a deep understanding of DeFi mechanics.

Web3Scope – Full Stack Developer

Oct 2023 – Mar 2024

- Implemented reusable components using **Next.js** and **TypeScript**.
- Constructed REST API and routes, designing an innovative database schema, demonstrating creativity and collaboration.

- Proficiently applied **Next.js**, **TypeScript**, **TailwindCSS**, **Node.js**, **REST API**, **MongoDB**, **React Query**.

TechSteck Solutions – Blockchain Developer Intern

Sep 2022 – Dec 2022

- Developed the **Stake sSPELL Bridge Smart Contract** using **Solidity**, enabling staking of sSPELL tokens across blockchains.
- Collaborated closely with the team to write and test the smart contract, ensuring accuracy and adherence to blockchain best practices.

PROJECTS

TrunkSwap DApp | *foundry, Solidity, Ether.js, Next.js, TypeScript, Wagmi, TailwindCSS, Zustand* [Github Link](#)

- Developed **Trunk Swap**, a **decentralized exchange (DEX)** using a **Uniswap V2 fork**, deployed on the **Arbitrum Sepolia testnet**.
- Architected a **responsive front-end interface** with **Next.js** and **Tailwind CSS**, ensuring an optimal **user experience** across devices.
- Implemented **state management** using **Zustand** for efficient data flow and reactive updates throughout the application.
- Integrated **ethers.js** for direct **blockchain interactions** and **smart contract calls**, handling **token approvals** and **swap transactions**.
- Built custom **React hooks** for **swap quotes**, **token approvals**, and **transaction processing**, abstracting complexity from UI components.
- Leveraged **RainbowKit** for seamless **wallet connection** and **authentication**, enhancing the user onboarding experience.
- Incorporated **slippage protection mechanisms** to safeguard users from **price volatility** during trade execution.
- Designed an **intuitive token selection interface** with **real-time balance checking** and **price quote calculations**.
- Integrated **Chainlink Oracle** to fetch and display **real-time USD prices** for supported assets.

StakeX DApp | *foundry, Solidity, Ether.js, Next.js, TypeScript, Wagmi, TailwindCSS*, [Github Link](#)

- Utilized **Foundry** to **write, test, and deploy smart contracts**, ensuring robust functionality and efficient deployment.
- Developed **StakeX**, a **decentralized application (dApp)** that allows users to **stake tokens** and **earn rewards**.
- Built an **intuitive and user-friendly interface**, providing **clear visuals** to help users navigate the platform with ease.

EDUCATION

KLE Institute of Technology, Hubli

Bachelor of Engineering in Computer Science

Aug 2019 - May 2023

Hubli, Karnataka

OPEN SOURCE CONTRIBUTIONS

CoW Swap Protocol – Open Source Contributor

- Resolved [Issue #5379](#) by fixing a document title update bug in a **Next.js** app. Ensured the browser title reflects accurate navigation between pages like Account and Limit Orders.
- Created a [pull request #5579](#) merged into the main CoW Swap repo, showcasing collaboration with a major DeFi protocol.
- Improved UX by dynamically updating page titles, enhancing navigation clarity and SEO behavior.