

Sammed S Betadur — Integration Web3 Developer

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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: TypeScript, JavaScript, Solidity

Frontend & Web3 Libraries: React.js, Next.js, ethers.js, Wagmi, RainbowKit, Zustand, TanStack Query

Blockchain & Protocol Infrastructure: Ethereum, EVM, JSON-RPC, WalletConnect, Safe Apps, The Graph, Chainlink, Uniswap V2, Multi-chain Wallet Integrations

Backend & APIs: Node.js, Express.js, REST APIs, GraphQL, MongoDB

Smart Contract & Developer Tooling: Foundry, Hardhat, Docker, Git, GitHub, **Cloud & DevOps:** AWS, IPFS

Experience

Judge Finance – Full Stack Web3 Developer

Remote Sept 2025 – Present

- Built the Earn dashboard with **cross-chain YieldCoin balance tracking**, APY calculations, and portfolio analytics across Bitcoin, Monero, and Ethereum ecosystems.
- Developed YieldCoin deposit and withdraw flows, abstracting complex yield logic into a seamless user experience.
- Implemented multi-chain balance fetching and wallet integration flows using **Ethers.js**, fallback RPC infrastructure, and Zustand, improving reliability across heterogeneous blockchain environments.
- Worked closely with protocol engineers to support **Safe App integrations**, debug integration flows, and align frontend behavior with future **CCIP/CRE**-based yield infrastructure.
- Developed a protocol subgraph for indexing on-chain events, enabling reliable query-driven state synchronization and improving developer access to protocol data.

FerrySwap – Frontend Web3 Developer

Remote May 2025 – Dec 2025

- Contributing to the development of **FerrySwap**, a decentralized exchange built on the **Serai Layer 1 blockchain**, enabling cross-chain swaps between Bitcoin, Monero, and Ethereum.
- Designed and implemented a **multi-chain interface** supporting seamless interactions with keystore-based wallets and EVM-compatible connections.
- Integrated wallet SDKs including **RainbowKit** and implemented custom keystore authentication flows for non-EVM chains, supporting seamless multi-chain onboarding experiences.
- Collaborated across frontend, backend, and protocol teams to debug integration flows, synchronize smart contract interactions, and improve reliability of on-chain data pipelines.
- Enhanced maintainability by enforcing **ESLint** standards, improving code quality, and optimizing project structure for scalability.

Zeru.finance – Full Stack Web3 Developer

Apr 2024 – Feb 2025

- Redesigned and optimized Zeru Finance, a full-stack DeFi lending protocol, improving protocol UX and application performance using **Next.js**, React, and TailwindCSS.
- Built production-grade frontend modules interacting with complex lending smart contracts while managing real-time protocol state synchronization using **Zustand** and **TanStack Query**.
- Engineered event-driven backend services using **Express.js**, **MongoDB**, and **AWS SQS** to synchronize 6,000+ wallets across Base and Arbitrum networks.
- Integrated Web3 wallet SDKs including **Wagmi** and **RainbowKit**, improving onboarding and transaction reliability across EVM-compatible networks.
- Optimized blockchain interaction layers using **Ethers.js**, improving application responsiveness and increasing performance scores from **40 to 70**.

- Simulated AWS infrastructure locally using Docker containers and SQS queues, reducing event loss to **0%** and accelerating testing workflows.
- Delivered scalable, production-grade DeFi infrastructure across frontend and backend systems, supporting multi-chain integrations, event-driven services, and high-volume protocol interactions.

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 with engineering teams to develop, test, and validate Solidity smart contracts while following secure blockchain development practices.

Open Source Contributions

CoW Swap Protocol – Open Source Contributor

- Contributed to the **CoW Swap** frontend codebase by improving affiliate feature integration, navigation consistency, and responsive behavior in a production **Next.js** application.
- Resolved integration-focused frontend issues involving feature flag synchronization, responsive layouts, and navigation UX across multiple sections of the CoW Swap interface.
- Contributed merged pull requests including [PR #5579](#) and fixes related to [Issue #7273](#), demonstrating familiarity with the CoW Protocol codebase and engineering workflows.

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.

Education

KLE Institute of Technology, Hubli
Bachelor of Engineering in Computer Science

Aug 2019 - May 2023
 Hubli, Karnataka