

Manoranjith Shankar

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Education

Sri Krishna College of Engineering and Technology.
Bachelor of Technology in Computer Science and Business Systems.

Coimbatore, TN
Sep 2021 – Apr 2025

St. Joseph's Matriculation Higher Secondary School.
Computer Science Stream [State board of Tamil Nadu].
Graduation Percentage: 90%

Hosur, TN
May 2021

Experience

SkyTrade Inc. | Blockchain & Full stack Engineer

Jun 2025 – present | Remote

- Upgraded Polymath ecosystem contracts to align with SkyTrade Finance architecture, implementing Merkle root-based whitelists for scalable KYC enforcement. Integrated Permit2 standards to support gasless meta-transactions and increased the code coverage to 100%, executed comprehensive load/ unit tests to ensure application stability under high throughput – [View Project](#)
- Developed SkyTrade Finance core application UI, integrating ethers.js and viem SDKs for on-chain interactions. Optimized the investment flow by using Permit2 signatures, allowing users to perform gasless token approvals and investments in a single transaction.
- Implemented and Integrated end-to-end UI for a production-grade fully decentralized prediction application. Extended the existing infrastructure by developing smart contracts and dedicated Subgraphs for on-chain Referral Reward System, Platform Earnings and Profile Management.
- Eliminated interface discrepancies by strictly typed integration between smart contracts ABIs and the frontend using TypeChain type generations and Viem, thus reducing runtime errors and ensuring synchronization between contract updates and client-side logic.
- Integrated Base CDK and the Base Smart Wallet, utilizing the native Paymaster infrastructure to sponsor gas costs on all transactions within the application – [View Project](#)

Maroon Financial UAB | Blockchain & Full stack Engineer

Mar 2024 – present | Remote

- implemented type-safe REST endpoints for Order Management, TOTP-based 2FA, notifications and so on. Converted complex Figma design specifications into React/TypeScript component libraries, utilizing strict typing and reusable hooks to ensure consistent UI logic across the application.
- Integrated AA - Safe smart accounts into the application, implementing deterministic address deployment (via CREATE2) to ensure cross-chain address equality.
- Implemented app-owned prediction markets platform into the existing application. Built contracts, UI and custom Subgraphs to track pool data, user positions, results and so on – [View Project](#)
- Built a predictions microservice that ingests prediction-market data, applies percentile-based trend/liquidity scoring, and executes idempotent on-chain market creation with retries, dry-run support, and production observability.
- Collaborated with the team in external hackathons
 - BnB Chain Hackathon – Implemented predictions market aggregator and secured first place (\$5,000)
 - RollDraft hackathon - Completed in tier-1 with prize amount of 4K DYM Tokens (~\$12,000)
 - Chain abstraction Hackathon by encode club – First place overall and sidetrack (\$10,000 + \$6,000)

Estate Protocol International LLC | Blockchain & Full stack Engineer

Nov 2024 – Jun 2025 | Remote

- Developed the smart contracts, Subgraph, & UI for a secondary market with a custom collateral adapter on top of the existing protocol structure with MetaStreet. Allowed users to lock Real Estate RWA tokens & mint ERC-1155 derivatives to access tiered USDC liquidity pools with borrow and auctions.
- Integrated cross-chain bridging infrastructure (Socket/Bungee) to abstract token complexity, allowing users to invest using native and non-native assets (e.g., ETH, USDT) through a "two-click" bridge and swap process – [View Project](#)
- Optimized the protocol's Subgraph by refactoring mapping handlers to handle computation-intensive calculations like dividend aggregation. Minimized RPC dependencies, eliminating indexing errors caused by timeouts and excessive eth_call failures.

Technical Skills

Programming Languages & Frameworks: JavaScript, TypeScript, Solidity, NextJs, NestJs, ReactJs, NodeJs, Python, EthersJs, Viem, The Graph protocol, Tailwind CSS.

Tools & Technologies: Foundry, Truffle, Hardhat, Docker, Jenkins, Figma, Cypress (e2e), Adobe XD, Illustrator.

Data & Integration: PostgreSQL, MySQL, MongoDB, Prisma, Firebase, REST, IPFS, Filecoin

Cloud & Platforms: AWS, Azure, DigitalOcean, Linux

Blockchain & Cryptography: Ethereum, DeFi, RWA, NFTs (ERC 721, 1155), DAOs, zkSNARKS, Account Abstraction (ERC-4337), SIWE (EIP-4361), Chainlink VRF.

Languages: Tamil (*native*), English (*fluent*), Kannada (*native*), Malayalam, Hindi.