

Rahul Pithadia

Blockchain Developer

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Summary

Blockchain developer with 3+ years of experience auditing, building, and optimizing smart contracts across EVM-compatible chains. Proficient in Solidity, security analysis tools (Slither, MythX), and DeFi/NFT protocol architecture. Deeply passionate about decentralized systems, security research, and open-source contribution. Adept at line-by-line code analysis and identifying complex vulnerabilities in high-stakes environments.

Core Competencies

- Smart Contract Security & Auditing: Slither, MythX, gas profiling, vulnerability identification
- Blockchain Development: Solidity, Ethereum, Polygon, Binance Smart Chain
- DeFi & Token Standards: ERC-20, ERC-721, ERC-1155, ERC-4337, EIP-712
- Smart Contract Tooling: Hardhat, Truffle, Foundry (learning), Tenderly
- Web3 Development: ethers.js, web3.js, wagmi, viem
- Programming Languages: JavaScript, TypeScript, basic Python
- Research Interests: EVM internals, DeFi security, formal verification

Professional Experience

Smart Contract Developer

Omnis Labs (Jun 2025 – Present)

- Designed and implemented Solidity smart contracts powering AI-native DeFi infrastructure.
- Developed and optimized on-chain strategies across multiple EVM chains (Base, BSC, Arbitrum).
- Collaborated with AI and backend teams to support autonomous agents for DeFi execution.
- Focused on gas optimization, security patterns, upgradeability, and backend integration.
- Supported trading logic, flash loan interactions, and institutional-grade security practices.

Blockchain Developer

Rockers Technology (Oct 2024 – Present)

- Audited and optimized Solidity contracts processing \$45K+ in total volume.
- Reduced gas usage by 30% across DeFi and NFT protocols through manual optimization.
- Integrated standards like ERC-4337 (account abstraction) and multi-sig wallet logic.
- Collaborated with frontend/backend teams to build secure, composable dApps.

Jr. Blockchain Developer

Yudiz Solution Ltd. (Jul 2022 – Sep 2024)

- Reviewed and deployed 10+ smart contracts on Ethereum, BSC, and Polygon.
- Identified critical vulnerabilities using Slither and MythX during internal audits.
- Contributed to the architecture of permissioned smart contract access layers.
- Built secure Web3 interfaces using React.js, Ethers.js, and Node.js.

Professional Projects

Epiko – NFT Marketplace

- Wrote and audited complex multi-token (ERC721/1155) auction logic.
- Ensured secure bidding and transfer flows with role-based access.

BonesClub – NFT Drop Protocol

- Designed gas-efficient randomized minting with merkle-proof whitelisting.
- Audited smart contracts for replay protection and storage optimization.

Objktize – NFT Trading Backend

- Implemented secure metadata storage using IPFS and signed transactions.
- Reviewed frontend to contract interactions to prevent phishing and mis-signing.

Equity Crowdfunding – Crypto Fundraising Integration

- Developed smart contracts enabling issuers to raise funds on Ethereum using native tokens.
- Integrated smart contracts into a React.js app using Vite, wagmi hooks, and Reown AppKit.
- Built Node.js backend tracker to listen for contract events and store data in MongoDB.
- Enhanced product functionality by extending an existing Web2 crowdfunding flow to support Web3 payments.

Education

- MBA in Blockchain Management, Dr. D. Y. Patil Vidyapeeth (Jan 2024 – Present)
- B.Tech in Information Technology, Parul Institute of Engineering & Technology (2020 – 2023)
- Diploma in Information Technology, Parul Polytechnic Institute (2017 – 2020)

Certifications & Interests

- OpenZeppelin smart contract library contributor (targeting in-progress)
- Learning: Foundry fuzzing, formal verification, Vyper
- Interest: DeFi microstructure, smart contract exploit write-ups
- Languages: English (fluent), Hindi, Gujarati