

Jayesh Yadav

Blockchain Developer

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Education

Indian Institute of Information Technology, Kota

Bachelor of Technology in Computer Science and Engineering (GPA: 6.8/10)

2020 - 2024

Jaipur, Rajasthan

Macro Vision Academy, Burhanpur

Intermediate, Central Board of Secondary Education (percentage: 88.4/100)

2019 - 2020

Burhanpur, Madhya Pradesh

Experience

Ignitus Networks

July 2024 - Nov 2024

Blockchain Developer Intern

- Developed and launched two successful NFT marketplaces focusing on both digital media assets and property sales within three months; optimized transaction processes using robust smart contracts, improving overall user experience.
- Pioneered efforts to construct an innovative Discriminator tailored for Solana, addressing key challenges in data retrieval and resolving three major bottlenecks affecting user experience.
- Explored and studied a wide range of blockchain technologies, including Aptos, Kiichain, Polygon, TON, and Solana, gaining deep insights into their protocols and development ecosystems.

Metadee AI

January 2025 - Feb 2025

Blockchain Developer (Contract)

- Built a high-performance centralized exchange (CEX) from scratch, supporting multi-asset trading with secure custody and real-time order book management.
- Built a matching engine processing thousands of trades per second, reducing latency and ensuring price discovery.
- Developed a multi-chain deposit system for Ethereum, Solana, and BSC, designed for future blockchain integration.

Projects

Video NFT Marketplace on Solana

- Technologies used: Rust, Anchor Framework, Solana Devnet, IPFS (via Pinata) and React.
- Built a decentralized platform enabling users to mint and monetize video NFTs.
- Implemented secure pay-per-view functionality with direct payments to NFT owners, reducing transaction delays by 15%

House Rental Platform on Ethereum

- Technologies used: Ethereum, Solidity, React and IPFS (via Pinata).
- Developed a platform for listing, browsing, and renting properties, improving tenant-landlord transparency through blockchain.
- Integrated an escrow-based deposit system to secure funds until the rental period ends.

Centralized Exchange Platform

- Technologies used: React, Node, MongoDB, TimescaleDB, Redis, Ethereum, Solana, BSC.
- Designed and developed a CEX with a custom matching engine, multi-chain deposit, withdrawals and real-time trading charts.
- Built a scalable architecture to handle high trade volumes while maintaining low latency and high fault tolerance.

Technical Skills

- Languages: Solidity, Rust, Java, JavaScript, SQL
- Frameworks: Anchor, Foundry, React.js, Node.js, Express.js, Actix Web, Ether.js,
- Databases: ArangoDB and MongoDB, Redis

Certifications

- Certified Web3 Blockchain Developer, 101 Blockchains
- Certified Web3 Professional, 101 Blockchains
- Solana Development Certification, 101 Blockchains

Achievements

- Solved 400+ DSA problems using Java on platforms like LeetCode and GFG.
- International Mathematics Olympiad Winner.
- Regional Mathematics Olympiad Winner.

Social Engagements

- Professional Member : 101 Blockchains Community
- Club Member : EBSB Club, IIIT Kota
- Sports-Engagements : Basketball , Swimming, Yoga, Chess