

## **Full Stack Blockchain Team Lead**

Full Stack Blockchain Team Lead | Metaverse | Tokenization | AI & Blockchain Solutions | NFT Marketplaces | DeFi & DEX | Gaming & Wallet Development | Web Development | Api Development

### **Objective:**

Seeking a leadership role where I can leverage my expertise in AI, blockchain technologies, full-stack development, and team management to drive innovative solutions, optimize performance, and contribute to the strategic growth of the organization.

### **Experience Summary:**

- Team Lead/HOD from August 2023 to Till Date.
- Team Lead/Architect from November 2022 to 31 July 2023.
- Senior Blockchain Developer from May 2022 to November 2022.
- Team Lead from September 2020 to May 2022.
- Software Developer from July 2018 to September 2020.

### **Education Qualification:**

- Bachelor of Technology - Computer Science and Engineering (May 2014-2018).
- Intermediate (2014).

### **Technical Stacks:**

Backend	Node Js, Rust, Typescript, Wordpress, Laravel, Codeigniter, Strapi, Python
Database	Mysql, MongoDB, Redis, Postgres, GraphQL
Frontend	Next, React, JQuery, Ajax, Bootstrap, JavaScript, HTML, Css, ReactNative (Basic)
Server/Cloud	AWS, Azure, Apache, Nginx, Sql, IPFS, Cloudflare, Google Analytics
Third party Api	OpenAI, Stripe, Moonpay, Bitpay, Google, Zoho Desk, Okto, Geolocation, google login, facebook login, ipinfo, uuidDevice, Gemini
Blockchain	Solidity, Ethereum, Smart Contract, Uniswap, Nfts, Erc20, Erc721, Erc1155, Erc1400, Solana(basic), Dex, Defi, Web3
Others	Jest, Api Development, Payment Gateway, JWT, Crypto Encryption, Oops, Socket IO, Axios, Load Balancer, Firewall, Git, Jenkins
Other (basics)	Microservice, Woocommerce, Project Management

### **Profile Summary:**

- Accomplished Full Stack Team Lead with expertise in designing and developing complex blockchain applications, including ERC1400 smart contracts for financial investments and NFT marketplaces.
- Proven experience in building scalable systems for decentralized exchanges, metaverse environments, and multi-chain platforms across Ethereum, Polygon, Binance, Hedera, and Solana.
- Skilled in leading projects from architecture to implementation, leveraging a tech stack of Node.js, React, and various blockchain technologies.
- Adept at API development, system integration, and managing full-stack development across MERN and LAMP stacks.
- Renowned for optimizing application performance and scaling solutions to meet high-traffic demands and complex business requirements.

### **Job Responsibility:**

- Lead multiple blockchain projects, including tokenization, NFT marketplaces, decentralized exchanges,

and DeFi platforms, ensuring timely delivery and high-quality outcomes.

- Oversee the development and architecture design using MERN and LAMP stacks, employing Agile and Waterfall methodologies.
- Smart Contracts to move the normal games to web3 and blockchain controller for batch transactions.
- Collaborate with teams to resolve technical challenges, optimize performance, and scale applications for enhanced efficiency.
- Drive continuous improvement by implementing best practices and emerging technologies.
- Manage cross-functional teams to align development efforts with strategic objectives and business goals.
- Code Quality & Review: Implemented structured code review processes, ensuring best practices for readability, maintainability, and security. Enforced Git branching strategies, peer reviews, and CI/CD pipeline integrations for seamless code merging.
- Merging Strategies: Managed pull request workflows, enforcing best practices for rebasing, squashing, and merge conflict resolution in collaborative development environments.
- Testing & QA: Experience with Jest for unit testing, ensuring robustness in backend services. Implemented end-to-end (E2E) testing frameworks (e.g., Cypress, Selenium) for blockchain and web applications to validate functionality across user workflows.

## **Projects Overview:**

### **Project 1 – mogulx.ai & Marketplace {Erc721, Erc1155, Matic, binance} –**

**(Node, Next, Postgres, Redis, Cloudflare, AWS, Strapi, Python, Game Socket, AI) (Aug 23 - current)**

- **Scalability & Performance:** Architected and scaled the application to handle 30K daily gameplays and 1M website visits.
- **Game Socket Development:** Engineered a game socket for seamless gameplay sessions, leveraging Redis to store and manage user gameplay data efficiently.
- **End-to-End Architecture:** Designed the complete architecture for user onboarding, gameplay flow, NFT purchasing, and reward distribution, tailored to various game types.
- **Login Microservices:** Developed a microservices-based login architecture for synchronizing user sessions across multiple applications.
- **AI Integration & Prototyping:** Utilized GenAI to develop and deploy a Python-based pickleball game prototype, integrating AI-driven APIs for MogulX, including text-to-image generation and chat prompt assistants.
- **Leadership & Coordination:** Directed all engineering developments and strategic changes in collaboration with VCs and founders.

### **Project 2 – Shipfinex & Kyc.shipfinex {Erc20, Erc1400, Matic} –**

**(Node, React, MongoDB) (May22-Nov22)**

- **System Architecture:** Crafted the system architecture for a trading platform focused on ERC1400 asset tokenization for tangible and semi-tangible investments.
- **AI & Security Integration:** Integrated AI-driven APIs for live face matching and enhanced application security through penetration testing and firewall implementation.
- **Reusable Components & Onboarding:** Developed reusable React components and streamlined user onboarding workflows.
- **Frontend Enhancements:** Implemented JWT authentication, Google CAPTCHA, and integrated various map APIs into the frontend architecture.

### **Project 3 – Upside Space/Fantico {Erc20, Erc1155}–(Node, MongoDB and Redis) (May22-Nov22)**

- **NFT Marketplace Architecture:** Designed the architecture for an NFT marketplace with integrated transaction capabilities.
- **Admin Panel Development:** Created a Node.js and React-based admin panel, enabling centralized

control of NFTs.

- **Microservices Optimization:** Implemented a microservices architecture to enhance performance and database interactions.
- **Smart Contract Deployment:** Deployed and tested smart contracts on both testnet and mainnet for the Polygon chain.

#### **Project 4 – MetaEngine {Blockchain Domain} – (Node, MongoDB and Axios, Redis) (July 22-Oct22)**

- **Blockchain Transaction Management:** Designed system architecture for handling blockchain transactions, including lazy minting of NFTs and gas fee management by admins.
- **Real-time Communication:** Employed Socket.IO microservices for real-time data synchronization across independent systems.
- **Caching & Performance:** Utilized Redis for efficient data caching and transaction management within the Node.js backend.

#### **Project 5 – s3renity {Erc20, Erc1155, Ethereum} – (Laravel, Mysql and Jquery) (Feb 21-Nov21)**

- **NFT Marketplace Development:** Architected and developed a PHP-based NFT marketplace, integrating IPFS and Pinata for secure NFT storage.
- **Role Management & Approval System:** Designed an admin panel with multi-user roles and an NFT approval system.
- **Frontend Design:** Developed reusable components for the frontend using React.js.

#### **Project 6 – PUMAPAY {Blockchain Domain} – (Node, Mongo DB and React) (April 21 - Sept 21)**

- **Cryptocurrency Development:** Designed a comprehensive cryptocurrency platform, integrating token swapping features and multi-contract management.
- **Smart Contract Scalability:** Engineered upgradable smart contracts and created a dynamic widget to transition web2 websites to web3 seamlessly.

#### **Project 7 – SmilingHouse.ch {Property Management Domain} – (Node, WordPress, MySQL, and jQuery) (Sep 2020 - March 2021)**

- **API Integration:** Integrated BookingPal's property management APIs, creating a cohesive system using Node.js.
- **Payment Gateway:** Integrated Stripe for streamlined payment processing within the system.
- **Customization & Logging:** Customized WordPress themes and developed a robust logging system for enhanced performance.

#### **Other Miscellaneous Projects –**

- **Ore Forge – NFT Marketplace** (Sep 2020 - March 2021).
- **Hide my Money – Tornado Cash, Bitcoin Caching System** (Sep 2020 - Dec 2020).
- **GovLuv.in {Election Domain}** (Feb 2019 - Sep 2019).
- **EMR (Electronic Medical Report) & CPP (Central Patient Portal)** (Nov 2018 - Feb 2019).
- **HANDBOOKUS.COM, THELEXLEGAL.COM & BEMETPARIS.COM (UI & CorePHP)** (July 2018 - Nov 2018).