

CHINMAI SIDDHARTHA

Blockchain Developer

+918008927092 | chinmaisiddhartha@protonmail.com | <https://www.linkedin.com/in/ncsiddhartha/>
<https://github.com/chinmaisiddhartha>

Summary

Lead Blockchain and Backend Engineer with senior-level expertise delivering low-latency, high-throughput trading platforms and decentralized applications. Designed and built a high-frequency cryptocurrency exchange achieving sub-second order execution, and led the creation of an NFT-powered music streaming platform that boosted user engagement. Proven ability to guide cross-functional teams in Go, Solidity, and cloud-native microservices while ensuring security and scalability. Ready to apply this experience to accelerate innovative fintech products.

Skills

- **Programming Languages:** Go, Solidity, JavaScript, Typescript, Python, Rust
- **Blockchain & Crypto:** Smart Contracts, Decentralized Applications Development, Centralized Cryptocurrency Exchanges (CEX), Blockchain Integration Strategies, Distributed Ledger Technology (DLT), DeFi, AMMs, Trading Bots, Cross-Chain & Layer-2 Solutions, Smart Contract Auditing, Technical Documentation, Digital Asset Management
- **Frameworks & Libraries:** Ethers.js, Node.js, Web3.js, Chainlink, Moralis, Hardhat, Foundry, Wagmi, Viem, Next.js, React.js, go zero, goctl
- **Blockchain Concepts & Protocols:** Ethereum Virtual Machine (EVM), Consensus Algorithms, Zero-Knowledge Proofs (ZKP), Non-Fungible Tokens (NFTs), Decentralized Finance (DeFi), Automated Market Makers (AMMs), Blockchain Governance Models, Identity Management Solutions, Cryptocurrency Expertise, Interoperability Solutions, Oracles
- **Backend & Distributed Systems:** Cryptography, High-Frequency Trading (HFT) Systems, Low-Latency Systems, Microservices Architecture, Event-Driven Systems, Distributed Systems Design, Scalability & Fault Tolerance, Order Matching & Trading Engines, gRPC
- **Leadership & Engineering Practices:** Technical Leadership, System Architecture & Design, Mentorship & Team Scaling, Code Reviews & Best Practices, Agile / Scrum, User-Centered Design

Experience

Equicom Technologies Private Limited

Jun 2025 - Present

Tech Lead (Blockchain & Fintech)

Bengaluru, India

- Lead design and development of a high-frequency trading (HFT) centralized cryptocurrency exchange, using Node.js and cryptographic primitives to achieve low-latency, high-throughput order matching and trade execution comparable to Binance-scale systems, providing sub-second trade execution for users
- Architect and implement Golang-based microservices for core exchange components such as order management, matching engine integration, wallet services, and market-data pipelines, resulting in a modular system that scales with trading volume
- Collaborate directly with founders and chief architect to define system architecture, scalability strategies, and fault-tolerance mechanisms for trading infrastructure, ensuring the platform can handle rapid market spikes
- Lead and mentor 20+ backend, frontend, and mobile engineers plus 10+ QA engineers, applying Go, Python, TypeScript, and React to deliver stable releases on schedule, which improves feature delivery speed and code quality
- Design and enforce a microservices architecture with clear service boundaries, asynchronous communication, and event-driven patterns, supporting high concurrency and enhancing overall system resilience
- Built and managed cloud infrastructure on AWS, leveraging services such as EC2, CloudWatch, and Aurora DB to ensure scalability, security, and observability.
- Implemented Infrastructure as Code (IaC) using Terraform, enabling reproducible environments, automated provisioning, and safer production deployments.
- Integrated and optimized high-performance databases including Aurora DB and FoundationDB to support transactional consistency, high availability, and low-latency reads/writes.
- Established DevOps and CI/CD pipelines, improving deployment frequency, reducing rollback risk, and enabling faster iteration across distributed teams.

- Collaborated with QA teams to design and implement automated testing pipelines using Selenium and JMeter, which shortened release validation time and increased test coverage for trading-critical services
- Drove engineering best practices including code reviews, performance profiling, observability, incident response, and postmortems, significantly improving platform reliability.

Adroit Global Ltd (Freelance)

Jun 2024 - Jun 2025

Blockchain Developer

Remote

- Developed trading bots on decentralized exchanges (DEXs) with Solidity and JavaScript, achieving secure, automated trades with low-latency (<50ms) and high-throughput performance, enabling rapid trade execution for clients.
- Integrated bots with major DeFi protocols such as Uniswap, Aave, and Compound using Web3.js, enabling seamless token swaps and improving liquidity management, which increased swap efficiency for users
- Created gas-optimized smart contracts on Ethereum to lower transaction costs and prevent MEV attacks, ensuring secure, cost-effective operations.
- Utilized Web3.js and Ethers.js for blockchain network integration, enabling real-time data parsing for swift, data-driven trading strategies and improved decision accuracy.
- Conducted in-depth testing and debugging of smart contracts to reduce vulnerabilities and enhance trading algorithm reliability in production.
- Advised clients on decentralized finance solutions, strengthening their trading strategies and delivering effective results aligned with client goals.
- Designed technical guides with Moralis and Viem that enabled developers to deploy trading bots and integrate DeFi services, reducing setup time and improving deployment success

Detrix Network

Mar 2023 - Jun 2024

Lead Blockchain Developer

Hyderabad, India

- Led cross-functional teams to develop a decentralized music streaming platform with NFT-powered assets, enhancing organization's position in digital media and increasing user engagement.
- Designed secure smart contracts for music NFTs, integrating advanced token standards to protect assets and drive user interaction.
- Researched distributed ledger technology to drive innovations, such as blockchain-based EHR solutions, ensuring compliance with privacy standards and secure data handling.
- Improved system performance by optimizing Solidity code and implementing scaling strategies, resulting in faster transaction processing and a more reliable platform for users.
- Conducted thorough code reviews across products, strengthening code quality and minimizing bugs through structured feedback and best practices.
- Built proof-of-concept prototypes, such as music NFTs and decentralized identity solutions, accelerating stakeholder support and project green-lights.
- Adopted agile development practices to iteratively refine MVPs, reducing development time by ~20% while ensuring consistent product quality.
- Partnered with clients and teams to align blockchain architecture with business goals, delivering scalable, secure solutions that supported rapid application growth.
- Created comprehensive technical documentation for clients, simplifying advanced DeFi protocols and smart contract implementations for diverse audiences.
- Guided team members in debugging Solidity smart contracts, ensuring adherence to industry best practices and improving the reliability of deployed systems.

Zeltatech Private Limited

Mar 2022 - Mar 2023

Blockchain Developer

Jaipur, India

- Developed smart contracts for a Polygon-based play-to-earn gaming platform, automating in-game transactions to create a seamless, low-latency user experience with secure transactions.
- Optimized blockchain architecture for scalability and security in projects like algorithmic trading and on-chain asset management platforms, resulting in efficient handling of high transaction volumes.
- Created extensive QA test plans to secure smart contracts, mitigating post-deployment risks and reinforcing stability in mission-critical dApps.
- Collaborated with product teams to align dApp development with project goals, ensuring timely, technically sound solutions for gaming and DeFi applications.
- Co-authored a white paper on scaling blockchain-based gaming platforms, outlining performance and cost-optimization strategies that guided the company's roadmap and attracted interest from investors
- Resolved scalability challenges across Ethereum and Polygon networks, resulting in a ~30% increase in transaction capacity and a ~25% reduction in gas fees, significantly improving user experience and network efficiency.

- Integrated blockchain systems with front-end interfaces, creating responsive, engaging dApps that provided a smoother user experience.
- Researched and integrated advanced blockchain technologies, like zero-knowledge proofs, side-chains and oracles, to enhance privacy and secure data handling for asset management projects.
- Led knowledge-sharing sessions for clients on blockchain protocols, including Ethereum and Layer-2 scaling solutions, helping them grasp key concepts for successful integration.
- Created onboarding documentation for blockchain solutions, simplifying deployment processes for technical and non-technical users.

Konneatsu Technologies Private Limited

Apr 2020 - Mar 2022

Blockchain Developer

Hyderabad, India

- Worked alongside senior developers to resolve technical issues in blockchain systems, enhancing reliability and minimizing downtime across critical applications.
- Contributed to designing scalable, high-performance blockchain solutions, ensuring reliable performance in high-demand digital asset management.
- Researched emerging blockchain technologies and regulatory trends, supporting strategic decisions and aligning projects with industry standards.
- Provided clients with guidance on regulatory compliance for ICOs and token sales, ensuring full adherence to industry standards and reducing legal risks.
- Engaged in brainstorming sessions that generated innovative solutions, contributing to smoother project execution and improved team collaboration

Education

Osmania University

Jul 2012 - May 2015

Bachelor of Business Administration, Business Administration

Hyderabad, India