

SAMIR JUMADE

Senior Senior Blockchain Developer

SUMMARY

Senior Blockchain Developer with 4+ years of experience in designing and deploying smart contracts using Solidity, Hardhat, and Truffle across Ethereum, Hyperledger Besu (QBFT), Polygon, and BSC. Skilled in full-stack dApp development with Node.js, TypeScript, React, and Next.js, along with REST/GraphQL APIs and PostgreSQL/MongoDB. Built enterprise blockchain solutions including private DEX platforms, secure decentralized apps, and AI-integrated DeFi systems. Experienced in Docker, AWS EC2, CI/CD, cryptography, consensus mechanisms, and blockchain architecture.

TECHNICAL SKILLS

Main Technical Skills	Solidity (3 yr.), Node.js (3 yr.), TypeScript (3 yr.), React (3 yr.), Hyperledger (1 yr.)
Programming Languages	Plutus, Solidity (3 yr.), TypeScript (3 yr.)
JavaScript Libraries and Tools	Ethers.js (2 yr.), Web3.js (2 yr.)
JavaScript Frameworks	Express, Ext JS (2 yr.), NestJS (1 yr.), Node.js (3 yr.), React (3 yr.)
AI & Machine Learning	GPT-4o (1 yr.)
Security	RBAC (1 yr.)
Databases & Management Systems / ORM	MongoDB (2 yr.), MySQL, PostgreSQL (1 yr.)
UI Frameworks, Libraries, and Browsers	Tailwind CSS
Amazon Web Services	AWS EC2 (1 yr.)
Scripting and Command Line Interfaces	Bash
Blockchain and Decentralized Software	BSC, Ethers.js (2 yr.), ETH (Ethereum blockchain), Hardhat, Hyperledger (1 yr.), IPFS (InterPlanetary File System), MetaMask (1 yr.), Plutus, Polygon (1 yr.), Truffle (1 yr.)
Deployment, CI/CD & Administration	CD DevOps pipelines (2 yr.)
Virtualization, Containers and Orchestration	Docker (2 yr.)
Version Control	GitHub

SDK / API and Integrations	Google API (1 yr.), GraphQL (1 yr.)
Operating Systems	Linux (2 yr.)
Other Technical Skills	GCM (1 yr.), InterPlanetary File System, SHA256 (1 yr.)

WORK EXPERIENCE

Senior Blockchain Developer - AI Research Centre, Woxsen University (L.E.A.P. – Educational Blockchain Credentialing Platform)

Duration: Jul 2024 – Present

Summary: An enterprise blockchain e-learning platform built on a private Hyperledger Besu blockchain network to issue cryptographically secure, tamper-proof course certificates for MBA students, replacing traditional academic credentialing methods.

Responsibilities:

- Developed a private blockchain network for academic credentialing.
- Implemented automated credential pipelines for course certificates and final diplomas.
- Enabled cross-platform credential verification using QR codes embedded in PDFs.

Technologies: Hyperledger Besu, Solidity, Next.js, NestJS, Node.js

Senior Blockchain Developer - AI Research Centre, Woxsen University (Woxsen Crypto Exchange – Private Enterprise DEX)

Duration: Jul 2024 – Present

Summary: A private permissioned decentralized exchange (DEX) deployed on a Hyperledger Besu QBFT multi-node AWS EC2 cluster, facilitating token swaps, liquidity provisioning, and ICO lifecycle management.

Responsibilities:

- Architected and deployed the DEX infrastructure on AWS EC2 with Docker containerization.
- Developed Solidity smart contracts for token swaps, liquidity, and fee logic.
- Built onboarding flows including email verification, wallet key-pair generation, and gas sponsorship.
- Optimized RPC log indexing using binary search.

Technologies: Next.js 15, TypeScript, Solidity, Ethers.js v6, Hyperledger Besu (QBFT), MongoDB, Docker, AWS EC2

Senior Blockchain Developer - AI Research Centre, Woxsen University (QuantumFi – DeFi Financial Infrastructure Platform)

Duration: Jul 2024 – Present

Summary: A DeFi platform on Polygon Amoy providing financial infrastructure including ERC-20 token management, payment processing, and AI-driven fraud detection and tax intelligence.

Responsibilities:

- Designed REST API endpoints and PostgreSQL database schema.
- Developed Solidity smart contracts for ERC-20 token and payment processing.



- Integrated MoonPay fiat on/off-ramp with secure HMAC-SHA256 signing.
- Implemented RBAC authentication and AI intelligence layers for fraud detection, tax intelligence, payment optimization, and portfolio analysis.

Technologies: TypeScript, Node.js, Solidity, PostgreSQL, Polygon Amoy, Alchemy, MoonPay, GPT-4o-mini, Google Gemini AI

Senior Blockchain Developer - AI Research Centre, Woxsen University (SecureVault – Zero-Knowledge Distributed Password Manager)

Duration: Jul 2024 – Present

Summary: A zero-knowledge security application using client-side AES-256-GCM encryption and IPFS for decentralized encrypted storage, anchored on Polygon Amoy blockchain for censorship-resistant password management.

Responsibilities:

- Implemented client-side encryption derived from MetaMask wallet signatures.
- Stored encrypted data blobs on IPFS with content identifiers anchored on-chain.
- Ensured zero server-side key exposure and full censorship resistance.

Technologies: Next.js 13, Solidity, IPFS (Pinata), Polygon Amoy, Web Crypto API, MetaMask

Senior Blockchain Developer - AI Research Centre, Woxsen University (mediWox – Decentralised Healthcare Platform (Telangana Govt. POC))

Duration: Jul 2024 – Present

Summary: A blockchain proof-of-concept platform integrating Ethereum and IPFS for decentralized healthcare data storage and automated insurance claim workflows, developed for Telangana Government public health infrastructure.

Responsibilities:

- Developed hybrid storage solution using IPFS and Ethereum blockchain.
- Implemented Solidity-based RBAC for patient, doctor, and insurer roles.
- Automated on-chain insurance claim workflows.

Technologies: React.js, Solidity, Ethereum, IPFS, Truffle, Ganache

Senior Blockchain Developer - AI Research Centre, Woxsen University (BlockchainSpace – Real-Time Multi-Chain Analytics Dashboard)

Duration: Jul 2024 – Present

Summary: A real-time analytics dashboard providing live metrics across 50+ blockchain networks, featuring AI-powered chat and comparison tools for enhanced blockchain data insights.

Responsibilities:

- Developed dashboard with live TPS, TVL, and market cap metrics.
- Integrated AI-powered chat widget using Google Gemini.
- Implemented GraphQL queries and optimized high-frequency data rendering.

Technologies: Next.js 14, TypeScript, Google Gemini AI, MongoDB, Recharts, GraphQL

Junior Blockchain Developer - Bitzees Technologies Pvt Ltd (Crypto Trading Platform and MultiSig Wallet)

Duration: Sep 2022 – May 2024

Summary: Development and maintenance of blockchain nodes and smart contracts for a live



crypto trading platform supporting multiple blockchain networks and a multi-chain MultiSig wallet.

Responsibilities:

- Onboarded and maintained full nodes for 7 blockchain networks on Linux.
- Built a 9-chain MultiSig wallet.
- Deployed 5 production Solidity smart contracts.
- Optimized transaction processing by 20% using Web3.js and Ethers.js.
- Contributed to exchange and wallet development in a Docker-based CI/CD Agile environment.

Technologies: Web3.js, Ethers.js, Solidity, Docker, Linux

Blockchain Developer - SoluLab (Cardano Full Node and Cross-Functional DApps)

Duration: Feb 2022 – Aug 2022

Summary: Set up Cardano full node and developed cross-functional decentralized applications using Plutus CLI, focusing on UTxO architecture and security-compliant blockchain development.

Responsibilities:

- Configured Cardano full node and executed on-chain transactions.
- Developed DApps integrating REST APIs and distributed system design.
- Ensured security compliance in blockchain development.

Technologies: Cardano, Plutus CLI, REST APIs

Software Engineer - ISKCON Chowpatty Pvt Ltd (ICM Platform Development)

Duration: Jun 2019 – Mar 2020

Summary: Led development of the ICM platform, focusing on system monitoring and issue resolution to improve platform stability and user experience.

Responsibilities:

- Led platform development and proactive system monitoring.
- Resolved over 100 end-user issues monthly.
- Maintained documentation and communication across stakeholders.

EDUCATION

• **Bachelor of Technology (B.Tech)**

Dr. BATU Lonere, Raigad, Graduated May 2018

