

Jatin

Senior Full Stack Rust, Blockchain Developer

SUMMARY

Accomplished Full Stack Blockchain Developer with over 9 years of experience in the industry, specializing in the integration of Web3, Rust, Solidity, and other technologies to create innovative blockchain solutions and decentralized applications (DApps). Expertise in front-end and back-end development evidenced by projects like BIMA and Bitcross, with skills in JavaScript, React JS, Node.js, and database management. Adept in building robust smart contracts on various blockchains such as EVM, Solana, and Arch Network, having contributed to key projects including Bitflow, Nimbus, and Trustbet. A solid computer science foundation from Rajiv Gandhi Technical University bolsters a career marked by technical proficiency and readiness for team collaboration as well as independent work. Proven track record of leveraging full-stack development capabilities and deep blockchain knowledge to meet and exceed project requirements.

TECHNICAL SKILLS

Main Technical Skills	Rust, Azure Blockchain, Smart Contract, SOLID, Web3
Programming Languages	Rust
Rust Libraries and Tools	Actix Sentry
.NET Platform	Azure
Mobile Frameworks and Libraries	Crashlytics
JavaScript Frameworks	Next.js
Python Libraries and Tools	Robot Framework
UI Frameworks, Libraries, and Browsers	Tailwind CSS
Databases & Management Systems / ORM	MS SQL Server Management Studio
Cloud Platforms, Services & Computing	AWS, Azure



Azure Cloud Services	Azure Blockchain, Azure DevOps
SDK / API and Integrations	API, JWT
BlockChain and Decentralized Software	Azure Blockchain, MetaMask, NFT marketplace, Polkadot, Smart Contract, Solana, Tokio, Web3
Deployment, CI/CD & Administration	CI/CD
Methodologies, Paradigms and Patterns	FDD, Layered pattern, SOLID
Mail / Network Protocols / Data transfer	JWT
Platforms	Power Automate
Other Technical Skills	Linea, MEV

WORK EXPERIENCE

Rust Developer, BIMA Protocol

Summary:

- Designed, developed, and deployed smart contracts in Rust for the Bima Protocol on the Arch Network, integrating BEC20 tokens and Bitcoin derivatives for borrowing, lending, minting, and burning of assets, including the USBD stablecoin
- Implemented decentralized governance and robust security measures

Responsibilities: Smart contracts development, integration of tokens, developing minting mechanism for stablecoin, implementing decentralized governance, ensuring protocol security.

Technologies: Rust, Arch Network, ZkVM, UTXO, BEC20, Bitcoin Runes, Ordinals

Rust Developer, Bitcross.fi

Summary:

- Developed Rust-based smart contracts for Atomic Swaps and community-driven liquidity pools on Bitcross, creating Limit Order features and a DCA Bot
- Built Perpetual Trading smart contracts and integrated Real-World Assets following KYC/AML standards

Responsibilities: Smart contracts for Atomic Swaps, liquidity management, Real-World Assets integration, perpetual trading functionalities, assisting in compliance and DeFi features integration, supporting testing and auditing.

Technologies: Rust, Atomic Swaps, Ethereum, Solidity, DCA, RWAs, KYC/AML



Rust Developer, Bitflow Finance

Summary:

- Implemented Rust-based smart contracts for an AMM on Arch network, enabling Bitcoin<>Runes swaps, liquidity management, and stress tests for contract reliability
- Collaborated on MVP front-end implementation with wallet integration

Responsibilities: AMM smart contracts development, stress testing, audit support, enhancing dApp integration with wallets, MVP implementation for UI validation.

Technologies: Rust, Arch Network, ZKVM, UTXO, AMM, Bitcoin, Runes, Actix, Tokio

Rust Solana Developer, Omnichain Fungible Token (OFT) Standard Implementation

Summary: Created a Solana-based OFT smart contract for cross-chain fungible token transfers, securing Upgrade Authority and utilizing LayerZero Developer Tools for reliable performance.

Responsibilities: Smart contracts for cross-chain token transfers, ensuring security and control, smooth integration with existing tools, back-end API development.

Technologies: Rust, Solana, OFT Standard, LayerZero, Solana CLI, Anchor, Actix, Tokio

Rust Solana Developer, Fund and Token Management Platform

Summary: Deployed Solana smart contracts for fund and token management using the Anchor Framework, handling minting, liquidity management, and integrating external price feeds.

Responsibilities: Developing complex Solana smart contracts for token operations, managing liquidity pool rewards, implementing critical instructions, dynamic fund valuation, and thorough testing.

Technologies: Rust, Solana, Anchor Framework, Raydium, SPL Token Program, Raket, Tokio

Rust Solana Developer, Decentralized Prediction Market Operations

Summary:

- Established a Solana-based prediction market with off-chain order book management, gasless trading, and secure wallet integration
- Focused on secure fund management for user transactions within prediction markets

Responsibilities: Smart contract development for prediction markets, off-chain order book management, wallet integration, secure fund handling for trades, implementing settlement and reward claiming mechanisms.

Technologies: Rust, Solana, Anchor Framework, SPL Token Program, Phantom Wallet, USDC

Rust Solana Developer, Trustbet Onchain

Summary:

- Built numerous smart contracts for DApps on Solana with modular designs
- developed secure bet locking/unlocking and payouts distribution



- Ensured sustainability through dynamic fee deduction systems and rigorous testing

Responsibilities: Designing smart contracts for gaming DApps, automating bet and payout mechanisms, dynamic fee systems creation, admin-controlled gas tanks, unit and integration testing.

Technologies: Rust, Solana, Anchor Framework, SPL Token Program, Randomization, Rokat Framework

Blockchain Specialist, Permissioned, Sharded Blockchain System

Summary: Developed and maintained a secure, sharded blockchain system with quantum-safe encryption and efficient data retrieval in multi-cloud environments, with a focus on security and key management.

Responsibilities: Permissioned blockchain system development, cryptographic protocol implementation, data sharding, secure key management strategies, and ensuring transaction security with quantum-safe encryption.

Technologies: JavaScript, AES, HMAC, HKDF, LDAP, Active Directory, FIDO2, Reed-Solomon, AES-GCM

Smart Contract Developer, MEV Bot Searcher

Summary: Developed MEV bot searcher functionalities in Solidity, enhancing the identification of arbitrage opportunities and optimizing contract interaction.

Responsibilities: Creating searcher functions for MEV bot, multicalls for data retrieval, liquidity assessment, improving contract interactions.

Technologies: Solidity, Ethereum, Multicalls, Smart Contracts

Full Stack Blockchain Developer, Decentralized AI Marketplace

Summary:

- Developed and maintained a decentralized AI marketplace with React
- js frontend and Node
- js backend, implementing blockchain-based smart contracts for secure AI service transactions

Responsibilities: Full-stack development for decentralized AI marketplace, front-end and back-end implementation, smart contracts development, AI tools integration, maintaining data integrity and privacy.

Technologies: React.js, Node.js, Blockchain, Smart Contracts

Full Stack Blockchain Developer, Non-Custodial Wallet Development

Summary: Implemented a Non-Custodial Wallet and integration with Gelato Network, introduced unique liquidity management, and facilitated smart contract deployment and a fine-tuned user experience.

Responsibilities: Architecting Non-Custodial Wallet, managing platform adoption, implementing Gelato Network API, providing backend solutions, leading contract testing and deployment.

Technologies: Gelato Network, Node.js, RPC, Smart Contracts, Next.js, MongoDB, Solidity

Full Stack Blockchain Developer, Solana-based NFT Marketplace MVP

Summary: Led the MVP development of a NFT Marketplace on Solana, creating a dynamic frontend with real-time updates and backend integrations.

Responsibilities: Web-based MVP development for NFT marketplace, enhancing backend with a Polling System, connecting with Solana blockchain, delivering a



feature-rich MVP.

Technologies: Next.js, Typescript, Solana, Express, Helius RPC

Front-End Developer, KredX Frontend Development

Summary: Reimagined frontend architecture using React JS and related technologies to improve user experience, created an Admin Panel for user management, and implemented OTP-based authentication for security.

Responsibilities: Frontend architecture development, user engagement improvements, Admin Panel creation, implementing OTP-based authentication, streamlining API development.

Technologies: React JS, Redux, Material UI, React Router, OTP Authentication

Full Stack Developer, Multiple Client Web Solutions

Summary: Created and maintained web applications for high-profile clients using a full stack web development approach, incorporating a client-server architecture and database management for scalable solutions.

Responsibilities: Web application development, responsive UI/UX design, RESTful API and microservice implementation, third-party API integration, database performance tuning, software testing and cloud deployment.

Technologies: React.js, Node.js, Express.js, MongoDB, MySQL, HTML, CSS, JavaScript, AWS, Azure, GCP, Agile, Scrum, Jira

EDUCATION

- **Computer Science and Engineering**

Rajiv Gandhi Technical University Bhopal, India
2009-2013

