

# 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

<b>Main Technical Skills</b>	Rust, Azure Blockchain, Smart Contract, SOLID, Web3
<b>Programming Languages</b>	Rust
<b>Rust Libraries and Tools</b>	Actix Sentry
<b>Mobile Frameworks and Libraries</b>	Crashlytics
<b>JavaScript Frameworks</b>	Next.js
<b>Python Libraries and Tools</b>	Robot Framework
<b>Databases &amp; Management Systems / ORM</b>	MS SQL Server Management Studio
<b>UI Frameworks, Libraries, and Browsers</b>	Tailwind CSS
<b>Cloud Platforms, Services &amp; Computing</b>	AWS, Azure
<b>Azure Cloud Services</b>	Azure Blockchain, Azure DevOps
<b>SDK / API and Integrations</b>	API, JWT
<b>BlockChain and Decentralized Software</b>	Azure Blockchain, MetaMask, NFT marketplace, Polkadot, Smart Contract, Solana, Tokio, Web3
<b>Deployment, CI/CD &amp; Administration</b>	CI/CD

<b>Methodologies, Paradigms and Patterns</b>	FDD, Layered pattern, SOLID
<b>Mail / Network Protocols / Data transfer</b>	JWT
<b>Platforms</b>	Power Automate
<b>Other Technical Skills</b>	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, Rokat, 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

