

AAKASH SINGH RAJPUT

Blockchain Developer | Full Stack Developer

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SUMMARY

I am a **Blockchain Developer** with expertise in **core blockchain infrastructure, privacy-enhancing cryptographic protocols, and decentralized applications**. My focus is on designing and optimizing secure, scalable, and efficient blockchain architectures using **Rust, Cosmos SDK, and Ethereum smart contracts**.

With a strong background in **Zero-Knowledge Proofs (ZK)** and **Fully Homomorphic Encryption (FHE)**, I specialize in building **privacy-preserving blockchain solutions** that enhance security and data confidentiality. I have extensive experience in **developing blockchain explorers, implementing decentralized protocols, and integrating cryptographic advancements into blockchain ecosystems**.

EXPERIENCE

Sr Blockchain Developer 04/2022 - Present
Airchains Gurugram, India

Airchains is redefining how confidentiality and transparency coexist onchain with its robust framework that brings zk and FHE together.

- I Built **cross-chain interoperability solutions** leveraging **IBC & Cosmos**.
- Integrated **Zero-Knowledge Proofs (ZK) & Fully Homomorphic Encryption (FHE)** for privacy-preserving transactions.
- Optimized **consensus mechanisms & validator networks** for performance enhancement.

Blockchain Developer 11/2021 - 03/2022
Retcons Technology Raipur, India

Retcons Technology specializes in **Web3 solutions, DeFi applications, and blockchain security**.

- I developed **dApps using Solidity, Web3.js, and Next.js**.
- Built **tokenomics models and smart contracts for DeFi applications**.
- Conducted **smart contract security audits** to prevent vulnerabilities.
- Researched and implemented **staking & governance protocols**.

Full Stack Web Developer 03/2021 - 08/2021
QuadKubes Technology India

The company aims the advancement by building programming applications and innovative applications for PCs, cell phones and different gadgets and related exercises by different modes both in India and across the borders.

- I Developed **React.js & Next.js frontends**
- Designed **RESTful APIs & backend architecture** using Node.js.
- Built **responsive UI components** with **Tailwind CSS** for Web3 applications.

EDUCATION

Bachelor of Engineering - BE, computer Science and Engineering 05/2018 - 06/2022
Rungta College of Engineering & Technology Behind Nandanvan



LANGUAGES

English Proficient ●●●●●
Hindi Native ●●●●●

KEY ACHIEVEMENTS

💎 **Cross-Chain & Interoperability Solutions**
Integrated **IBC (Inter-Blockchain Communication)** for seamless interoperability across multiple blockchain networks.

💎 **Blockchain Explorer & Analytics Tools**
Created a **real-time blockchain explorer** for network monitoring, transaction tracking, and validator performance analytics.

SKILLS

Blockchain Development, Cross-Chain & Interoperability, Full-Stack Development, Web3 & DeFi Protocols

COURSES

Bachelor of Engineering - BE, computer Science and Engineering - Rungta College of Engineering & Technology, Raipur, Chattisgarh, India

INTERESTS

- 💎 **Blockchain Economics** - Tokenomics, Game Theory, Incentive Mechanisms
- 💎 **AI + Blockchain** - Generative AI for smart contract security & autonomous agents
- 💎 **Quantum-Safe Cryptography** - Post-quantum cryptographic solutions