

# Rohan Ranjan

Experienced Full Stack Developer with a strong foundation in both Web2 and Web3 ecosystems. I specialise in building scalable, production-grade applications and seamlessly integrating blockchain technologies into modern web stacks. From smart contract development to crafting responsive, user-focused frontends, I bring a pragmatic approach to solving complex problems and delivering real-world impact through clean, maintainable code.

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## EXPERIENCE

### **peaq**, Berlin, Germany (Remote) — Full Stack Developer

Sept 2022 - Present

- Built a React Native demo app for peaq's Machine Economy, enabling social login with embedded wallets (Privy), peaq token payments, RWA ownership tokens, and real-time profit-sharing with automated earnings updates.
- Built and optimised a scalable backend system capable of handling over 6000 concurrent requests, using event-driven architecture, caching, and smart queueing for high-throughput workloads.
- Architected and launched a custom Decentralised Exchange (DEX) on the peaq network by adapting Uniswap V3 protocols, incorporating advanced features that elevate DeFi functionality.
- Led the development of a campaign/quest system, where users complete tasks to earn NFT rewards and peaq tokens, integrating smart contracts and on-chain proof of participation.
- Engineered a real-time vehicle sharing dApp with a blockchain-based reward system, leveraging WebSocket infrastructure for live data streaming and improved user experience.
- Implemented KYC flows to support identity verification and token-gated feature access, ensuring security and regulatory compliance within the ecosystem.
- Built secure and seamless wallet integrations using RainbowKit, Wagmi, and Viem, enabling smooth onboarding via MetaMask, WalletConnect, Safe, and others.
- Developed and maintained the peaq-SDKs, exposing intuitive APIs and tools for interacting with peaq's blockchain pallets across Substrate and EVM chains.
- Designed and implemented a real-time analytics dashboard for vehicle-sharing metrics, offering actionable insights through rich data visualisation and filtering tools.
- Spearheaded the development of MVP decentralised applications (dApps) with full E2E testing across Polkadot and EVM environments, ensuring cross-chain compatibility and modular design.

## SKILLS

### Blockchain frameworks:

HardHat, Ethers, Truffle, Solidity, Rust, Ethereum, Infura, Moralis, Polygon, Substrate, Web3, Polkadot, Viem, Wagmi, Privy, Web3auth.

### Frontend frameworks:

HTML, CSS, JavaScript, TypeScript, React, Next.js, Redux, Redux-Thunk, Redux-Saga, PWA, D3.js, Recharts, Tailwind CSS, Material-UI, AntD, Bootstrap, Jest, Cypress, Chai, Mocha, A/B Testing, Rollup, ESBuild, Vitest, React-native.

### Backend frameworks:

Express, Node.js, MongoDB, MySQL, Firebase, Fastify, Apollo GraphQL, WebSockets, REST API, SQL, PostgreSQL, DSA, Python, Java.

**Version control tools:** GitHub, GitLab

**Cloud Services:** Netlify, Vercel, Azure, GCP, AWS.

### Product Management:

Notion.so, Agile, Gitbook, Archbee, Docusaurus, Asana, Slab, Docker.

- Authored extensive technical documentation (peaq-doc) and implementation guides to support internal teams, external partners, and developer onboarding.

## **BlockC**, Bangalore, India — *Blockchain Developer*

Jan 2022 – Aug 2022

- Led end-to-end development and deployment of smart contracts for multiple Web3 projects, including DAOs, multi-signature wallets, escrows, and crowdfunding platforms.
- Delivered innovative dApps like Safe House and NFT Visualizers using tools like Hardhat, Truffle, and Ganache, with a strong focus on reliability, security, and ecosystem standards.

## **AJIO**, Bangalore, India — *Software Development Engineer-I*

Jul 2021 – Aug 2022

- Developed and optimised React-based UIs for key platforms like Sambandham and CMS-UI, improving responsiveness, usability, and content management workflows across devices.
- Delivered production-ready features with strong unit testing, modular architecture, and clean code practices—enhancing internal tools like Powertool for sales and product teams.

## **MASAI**, Bangalore, India — *FullStack Developer*

Mar 2020 – June 2021

- Developed a pioneering eCommerce platform for shoe enthusiasts, featuring intuitive cart functionality and effective coupon application.
- Drove the creation of responsive React components and executed thorough unit testing to ensure an exceptional user experience.

## **Mphasis**, Pune, India — *Associate Software Engineer*

Jan 2019 – Mar 2020

- Built and maintained a mortgage loan system for an Australian bank, helping users easily apply and track their loans.
- Handled backend services and database operations to ensure user data was stored reliably and securely.

## **EDUCATION**

### **Lakshmi Narain College Of Technology, Bhopal**

#### ***Bachelor of Engineering in CSE***

Aug | 2014 – Jun | 2018

**Other skills:** Debugging, CMS, Teamwork, Problem Solving, Time Management, Remote Work, Online Collaboration.

## **AWARDS**

### **Business Excellence Award**

*Recipient of the esteemed Business Excellence Award from AJIO, recognising outstanding achievements and contributions in driving excellence, innovation, and success within the organisation.*

Apr | 2022 – Jun | 2022

## **ACHIEVEMENTS**

### **Top Github Contributor**

*Recognised as a top contributor on GitHub last year, making significant contributions by adding substantial lines of code to Eot Labs' repositories.*

Sept | 2022 – Present