RAJKUMAR VARSANI

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Education

Indian Institute of Information Technology, Gwalior — **2020 – Expected 2025**
Integrated Bachelors and Masters in Information Technology — *Gwalior, India*

Experience

Software Engineer Intern — **Feb 2024 – Present**
Groww 🔗 | *India's Premier Investment Platform* — *Bengaluru, India*

- Led the end-to-end development of **Payments Web SDK**, overseeing everything from **Architectural Design** to **Final Testing and Deployment**. This project substantially improved the **Payment Experience** for millions, offering a more stable and versatile payment solution.
- Developed dynamic **Routing** and **Scheduling** for **Payment Gateways**, optimizing traffic management during high-traffic scenarios and significantly reducing system downtimes by **Directing Traffic** to alternative providers.
- Utilized a modern tech stack including **TypeScript**, **React**, and **Zustand** to build scalable and efficient solutions.

Fullstack Developer Intern — **Feb 2022 – Jan 2024**
KoinX 🔗 | *$1.5M - Seed* — *Remote*

- Engineered the **Accounting** and **CA platforms**, specifically designed for **Cryptocurrency Transactions**, from concept to deployment. Leveraged a robust tech stack including **Node.js, MongoDB, Docker, Nats, Express, React.js, and Redux**. Implemented several **B2B Integrations** that facilitated customer acquisition and enhanced the utility of the platforms.
- Established robust and efficient microservices through the use of automated tools, including **AWS** services like **SES**, **SNS**, and **S3**, along with **Cron** and **Socket.io** for enhanced scheduling and real-time communication
- Integrated **Prometheus Metrics** for system **Performance Monitoring** and developed a microservice using **GitHub Actions** and **Octokit** to synchronize common code across multiple GitHub repositories, ensuring code consistency.

SDE Intern — **Jan 2023 – Dec 2023**
Xpertree 🔗 | *Innovator in Pharma Insights* — *Remote*

- Spearheaded complete **Overhaul** of the web application, transitioning from **Angular** to **Next.js 13** to enhance user experience and system performance, resulting in a more modern tech stack and improved user engagement.
- Led the development of **critical features** such as **Engagements**, **Mapping**, **Insights**, and **AI Integrations** with platforms like **OpenAI** and **Anthropic**, which were pivotal in driving **company growth** and enhancing UX.
- Worked on backend and database systems using **Java Spring Boot**, **MariaDB**, and **ClickHouse**, and utilized frontend technologies like **Next.js**, **SWR**, **Novel**, and **Zustand** to optimize data management and application performance.

Projects

Career Copilot | *OpenAI Models, Next.js 14, TypeScript, Node.js, Mantine* — 🌐 | ◈ | **Aug 2023**

- Engineered a cutting-edge SaaS solution providing **AI-driven Candidate Screening** through a comprehensive web application featuring a customizable scoring system, dashboard, and individual profile assessments.
- Designed and implemented a seamless user experience by developing a **Chrome Extension** allowing recruiters to quickly view summarized profiles and relevant skill scores during **LinkedIn Screenings**.
- Utilized advanced technologies such as **OpenAI models**, **Next.js 14, TypeScript, Node.js, and Mantine UI** library to deliver efficient performance, robust functionality, and modern aesthetics throughout the entire application.

Melomint | *Flow Blockchain, TensorFlow, Next.js, TypeScript, SWR, Node.js , FastAPI* — ⌗ | 🌐 | **July 2023**

- Developed an innovative platform on **Flow Blockchain** for music artists with use of AI and Masterpiece NFTs, transforming music share distribution and compensation.
- Designed and developed web app using **Figma, Next.js with TypeScript and SWR**. employed **Node.js and FastAPI** servers for caching, access management, and similarity calculations.

Achievements

2nd Position in **Smart India Hackathon 2022**	**3rd Position** in **HackStack Hackathon**
1st Position in **Wix DevCon Hackathon 2022**	**2nd Position** in **Hack-A-sol 2.0 Hackathon**
Top 5 Teams in **Razorpay FTX Hackathon**	**3rd Position** in **Cuvette Codocatober Hackathon**
1st Position in **DSC-IIITM Android Hackathon**	

Technical Skills

Languages: JavaScript, TypeScript, Java, Solidity, Kotlin, C++, C
Technologies/Frameworks: React, Next.js, Express.js, Node, Angular, Spring Boot, Nats, Docker, Jest, Chai, Git
Database Systems: MongoDB, Redis, PostgreSQL, MariaDB, Firebase