

RAJKUMAR VARSANI

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Education

Indian Institute of Information Technology, Gwalior

Integrated Bachelors and Masters in Information Technology

2020 – Expected 2025

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**, and **React.js**. Implemented several **B2B Integrations** that facilitated customer acquisition, enhancing platforms' utility.
- 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

Phalanx - API Security and Monitoring Framework | *NodeJS, TypeScript, NextJS, gRPC, Azure*

[🔗](#) | Sept 2023

- Submission that secured my team **Second Runner Up** position in **Flipkart GRiD 6.0** among **17,000+** participants.
- Developed a **Tree-Based Route Structure** for **Real-Time API Discovery** and Management, and provided a highly Customizable **Rules Configuration** to protect against **OWASP Top 10 Vulnerabilities** such as **Broken Auth**.
- Enhanced security analysis with **LLM-Powered Monitoring** and **RAG Analysis** for external API consumption, and **Dynamic Data Population** with Regex Support to automate and secure **API request generation**.
- Integrated an architecture with 8 microservices using **NodeJS**, **gRPC**, and **MongoDB**, including components like Scout for comprehensive Automatic and On-Demand Vulnerability Scanning for configured rules, and Sysmon.

Career Copilot - Screening Automation Tool | *OpenAI, Next.js, TypeScript, Node.js, Mantine, MongoDB*

[🔗](#) | [🔗](#) | 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.

Achievements

3rd Position in Flipkart GRiD 6.0

4rd Position in Rakathon 2024

2nd Position in Smart India Hackathon 2022

1st Position in Wix DevCon Hackathon 2022

Top 5 Teams in Razorpay FTX Hackathon

Finalist [Top 0.5%] in Code with Cisco 2024

1st Position in DSC-IIITM Android Hackathon

3rd Position in HackStack Hackathon

2nd Position in Hack-A-sol 2.0 Hackathon

3rd Position in Cuvette Codocatober Hackathon

Technical Skills

Languages: TypeScript, JavaScript, Go, Solidity, Java, C++, C, Kotlin, Dart

Technologies/Frameworks: React, Next.js, Express.js, Gin, Node, Angular, Spring Boot, Flutter, Nats, Jest, AWS, Git

Database Systems: MongoDB, Redis, PostgreSQL, MariaDB, Firebase