

ROHAN SINGH

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[Leetcode](#)

[Portfolio Website](#)

Education

RV College of Engineering

Bachelor of Engineering

July 2022

8.91 CGPA

Rajendra Vidyalaya

Indian School Certificate (ISC)

March 2018

94.25%

Rajendra Vidyalaya

Indian School Secondary Certificate (ICSE)

March 2016

96.6%

Relevant Coursework

- | | | | |
|-------------------|--------|-------------------------|--------------------------|
| • Data Structures | • OOPs | • Microservices | • Java |
| • Algorithms | • DBMS | • Software Architecture | • Full Stack Development |

Experience

Boeing

August 2022 – Present

Associate Full Stack Developer

Bangalore, India

- Revamped the document review process by **developing concurrent editing features** on a web platform with Java and JavaScript, achieving a 30% reduction in user wait time, driving application growth, and increasing user adoption.
- Designed and optimized a scalable, **multi-threaded file download system in Java Application, improving efficiency by 20%**, ensuring fault-tolerant execution, seamless user context handling, and performance optimization.
- Engineered a **full-stack unarchive feature using Java and RESTful APIs**, streamlining document retrieval from **Cloud CMS**, enhancing user experience, and **driving revenue growth for the application by 15%**.
- Mentored junior developers** by providing knowledge-sharing sessions and project workflows.
- Contributed to **comprehensive code documentation** to ensure ease of understanding and maintainability across development teams, while also assisting in **modularizing legacy code**, which improved code readability and facilitated easier updates.
- Collaborated closely with UX/UI designers and product managers within an **Agile framework, leveraging Scrum methodologies to deliver high-quality, user-centered microservice software solutions** that align with business objectives and facilitate rapid iteration based on user feedback.
- Implemented caching mechanism** to optimize document retrieval, **reducing load time by 90%** for 5000+ users.
- Awarded the Spotlight Award for delivering innovative solutions that significantly improved application efficiency.

Projects

AI Powered Full Stack Spam Detector Application | *Python, Django, React, Generative AI* 2024

- Developed a secure, user-friendly full stack microservice application using Python, Django, and React that enables users to mark phone numbers as spam and search contacts; utilized Django ORM for efficient database management.
- Leveraged OpenAI's generative AI to classify spam severity levels based on user inputs.**

Video Chat Application | *Angular, Node.js*

2024

- Revolutionized communication with a dynamic app featuring chat, audio/video calls, and threaded replies.
- Elevated user experience through a dark mode toggle and media sharing, fostering collaboration among users.

Airline Reservation System | *React, Spring Boot, SQL*

2022

- Developed comprehensive ticket booking functionalities, allowing users to search, reserve and manage tickets.
- Optimized SQL database queries for efficient data handling and ensured data integrity during booking processes.

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, C++, HTML, CSS

Developer Tools: Git, Maven, CI/CD Tools, JUnit

Technologies/Frameworks: React, Angular, Spring Boot, Node.js, AWS, Linux, MySQL, MongoDB, Oracle, Docker

Leadership / Extracurricular

- Youngest Security Focal in the Boeing Portfolio Leaders Team driving secure code and vulnerability elimination.
- Hackathons participant, solving real-world problems under time constraints.
- Open-source contributor, improving software quality through community collaboration.