

Rishabh Aggarwal

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SUMMARY

Full-stack Software Developer with expertise in **Java, Spring Boot, React.js, and SQL/NoSQL databases**, skilled in designing secure APIs, scalable microservices, and deploying cloud-native applications using **AWS, Docker, and CI/CD pipelines**.

EDUCATION

Guru Gobind Singh Indraprastha University

B.Tech in Computer Science and Engineering | CGPA: 8.5

Aug 2022 – Present

Delhi, India

EXPERIENCE

Software Developer Intern | AppSquadz Software Pvt. Ltd., Noida, India

Nov 2023 – Oct 2024

- Developed scalable **Spring Boot REST APIs** with **Spring Data JPA** and **MySQL**, reducing latency by 35%.
- Implemented **JWT**-based authentication and role-based access using **Spring Security**, protecting sensitive customer data.
- Optimized **React.js** frontend with memoization and code-splitting, improving page load speed by 25%.
- Delivered 15+ production features with 95% unit test coverage in **Agile Scrum** teams.

Frontend Developer Intern | Celebal Technologies Pvt. Ltd., Remote

Jun 2025 – Aug 2025

- Built responsive, accessible interfaces in **React.js**, improving performance and usability across devices.
- Designed reusable components and streamlined **state management**, reducing development time by 30%.
- Integrated **REST APIs** for data-rich client dashboards with reliable error handling and caching.
- Improved Lighthouse performance and accessibility scores by 20% through targeted optimizations.

PROJECTS

CodeRealm | *Spring Boot, React.js, Socket.IO, WebRTC, MySQL, Docker, AWS*

GitHub | Demo

- Developed a collaborative code editor using **React.js, Redux Toolkit, WebSockets**, improving real-time developer productivity.
- Implemented secure authentication with **Spring Boot, JWT, OAuth2**, enabling encrypted user sessions across peers.
- Containerized services with **Docker** and deployed on **AWS EC2** using GitHub Actions pipelines.

MediVerse | *Spring Boot, React.js, MongoDB, WebSockets, Tailwind CSS, Vercel, Railway*

GitHub | Demo

- Built an AI-powered health assistant with secure **Spring Boot REST APIs**, improving patient engagement.
- Implemented OCR-based report scanner extracting health metrics, storing structured results in **MongoDB database**.
- Deployed full-stack application with **Vercel frontend** and **Railway backend**, ensuring high scalability.

LangSpace | *React.js, Spring Boot, Redux Toolkit, MongoDB, Web Speech API, Docker, AWS*

GitHub | Demo

- Engineered interactive language-learning platform using **React.js frontend** and **Spring Boot backend APIs**.
- Integrated **speech recognition, WebSockets, AI tutoring chatbot**, enhancing vocabulary and grammar practice.
- Containerized with **Docker** and deployed on **AWS**, following Agile delivery principles effectively.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, SQL, HTML, CSS

Frontend: React.js, Next.js, Redux Toolkit, React Router, Tailwind CSS, Material UI, Vite

Backend: Spring Framework, Spring Boot, Spring Security, Spring Data JPA (Hibernate), Spring Cloud

Database: MongoDB, MySQL

Cloud & DevOps: AWS (EC2, S3), Vercel, Railway, Docker, Git, GitHub, GitHub Actions (CI/CD), Maven, Gradle

Tools & APIs: Postman, IntelliJ IDEA, Eclipse, OpenAPI, Swagger, Axios, REST, WebSockets, JWT, OAuth2

Methodology: Microservices, Agile, Scrum, Kanban, SOLID, GitFlow

Course Work: DSA, DBMS, Operating Systems, Computer Networks, OOP, Software Engineering

ACHIEVEMENTS

- Hackathon Finalist** — **Hackazards:** Designed and pitched a working prototype among top national teams.
- Open Source Contributor** — **SSOC, GSSOC, OSCI:** Merged PRs, reviewed code, and triaged issues.
- AI Agent Architect** — **IBM SkillsBuild:** Built JalBot, designed prompt flows, delivered multilingual demo.
- LeetCode:** Solved 200+ problems across arrays, strings, dynamic programming, and graphs.
- Java Full Stack Certification** — **CodeSquadz:** Built Spring Boot APIs with Hibernate/JPA.
- Postman API Fundamentals Student Expert** — **Postman:** API design, testing, and automation.
- Google AI Essentials** — **Google:** Covered responsible AI, data preparation, and prompt engineering.
- Student Facilitator** — **Nobel Learning:** Led Web Design and Leadership sessions for international students.
- Public Speaker** — **The Discurso Master:** Delivered talks, moderated events, and organized workshops.