Rahul Kumar

Software Engineer

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SUMMARY

Full-stack software engineer skilled in Angular, Spring Boot, and Java with hands-on experience in real-time web applications, chatbot systems, and API-driven development. Focused on delivering **high-performance, scalable solutions** using modern testing frameworks, state management tools, and efficient data handling techniques.

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, HTML/CSS, MySQL
Frameworks: Angular, Spring Boot
Developer Tools: Git, Kubernetes, Maven
Miscellaneous: RxJS, NgRx, GraphQL, Web Design, WebSocket, RESTful APIs

EXPERIENCE

Software Engineer <div align="right">Sept. 2022 – Currently</div>
Netcracker Technology <div align="right">*Bengaluru, India*</div>

Frontend - Angular, TypeScript

- **Engineered** and **maintained** a configurable messenger interface for chatbot systems, enabling dynamic customization and **improving configuration speed by 30%**
- **Designed** role-based chat workflows using **Angular guards** and services, tailoring user interactions across **4+ portal types** .
- **Integrated WebSocket** for real-time messaging, **reducing interaction latency by 40%** .
- **Boosted** chatbot performance by implementing **NgRx** for modular state management and **RxJS** for reactive stream handling, **improving frontend render times by 25%** in real-time chat scenarios.
- Developed **5 unique UI themes**, boosting user personalization and **increasing satisfaction by 50%**.
- **Refactored** legacy Angular components and eliminated redundant logic to improve **frontend performance by 20%** via **Puppeteer** testing .

Backend - Spring Boot, Java

- **Built REST APIs** to support chatbot response updates, enabling live demo customization and **reducing update time by 35%**.
- **Designed** optimized **MySQL** queries, **reducing data fetch latency by 40%**.
- **Architected WebSocket** layer separate from **GraphQL subscriptions**, improving scalability and **reducing server load by 20%**.
- **Resolved backend issues** by addressing critical bugs, refining API integrations, and improving system stability.
- Implemented a new **CI/CD pipeline with Gitlab** for the chatbot system, leading to a 30% faster deployment.

EDUCATION

SJB Institute of Technology <div align="right">Bengaluru, India</div>
*B.Tech, Computer Science of Engineering - **CGPA - 8.2*** <div align="right">*2018 - 2022*</div>

PROJECTS

Movie Booking: Web Application
Angular, Spring Boot

- **Developed** a full-stack movie booking system with **secure user authentication**, **interactive seat selection**, and **responsive UI** .
- **Integrated REST APIs** and **MySQL** for real-time data operations and persistent storage.

CERTIFICATIONS

- Participated in **Hackathon - Netcracker 2024** and built multi-functional web application. The project advanced to the jury round, showcasing its effectiveness