

Karan Chhatwani

Software Engineer

✉ karanchh2001@gmail.com

☎ +919588204231

📍 Bangalore, Karnataka, India

🌐 /KaranChhatwaniLinkedin

🐙 /KaranChhatwaniGithub

🔗 /KaranChhatwaniLeetcode

PROFILE

A confident and motivated individual with a passion for software engineering and a love for teamwork. As a firm believer in "learning and applying," I have gained over 2 years of experience in software engineering across various technologies and industries. I am seeking a challenging work or research environment to further hone my skills or contribute to open-source projects.

EDUCATION

B.Tech. (Computer Science)

JECRC University

05/2019 – 05/2023 | Jaipur, India

CGPA: 9.02/10

SKILLS

C++ | Java | Javascript | HTML | CSS |
Data Structures & Algorithm | JDBC | SQL |
Hibernate | Maven | Springboot | JSON |
Spring Data JPA | Spring MVC | Spring Web |
Microservices | REST API | React.js |
Effective communication | Active listening |
Team collaboration

INTERESTS

Chess | Competitive Programming | Sports

PROFESSIONAL EXPERIENCE

LG

Software Engineer

08/2023 – present | Bangalore, India

- Engineered a **Spring Boot automation tool** to streamline the **QFIL-based** initial image generation process for LG appliances, replacing a complex 7-8 step manual workflow, **reducing execution time**, and minimizing human error.
- **Designed a configurable system** enabling engineers to **dynamically modify image** parameters before generation, optimizing development across TV, automotive, refrigerator, and other appliance.
- **Integrated Cloudinary** for cloud-based image storage, managing image URLs efficiently and persisting metadata in MySQL using **Spring Data JPA and Hibernate**, ensuring seamless retrieval and reuse for identical appliance models.
- Developed across **controller, service, and repository layers**, with a primary focus on repository implementation, leveraging **Hibernate ORM** for optimized database interactions and efficient object-relational mapping.
- Authored **SAD** (System Architecture Document), **SDD** (Software Design Document), and **SRS** (Software Requirements Specification), ensuring well-documented development processes.
- **Resolved 25+ critical bugs**, significantly improving feature stability and overall system performance.

Samsung Internship

Software Engineer

01/2023 – 07/2023 | Bangalore, India

- **Engineered** Android applications for factory workforce management, including **attendance tracking, task monitoring, and worker databases** using **Java, Firebase, and MVVM architecture**.
- **Implemented a scalable backend** with Firebase for real-time data storage and retrieval, ensuring efficient worker data management.
- **Built intuitive UIs** using **XML and Android tools**, enhancing user experience and accessibility.
- **Implemented a Maven-based project**, optimizing dependency management and scalability.
- **Performed testing and debugging**, ensuring **stability and error-free performance** in an industrial environment.

PROJECTS

Exam Vichar

College Major Project

- **Developed an Android application** to address **resource deficiency** for **national-level exams and college previous year papers**, providing a centralized content repository.
- **Built using Core Java, MVC architecture, and H2 Database**, ensuring efficient data storage and seamless retrieval.
- **Structured as a Gradle project** in Android Studio, optimizing build management and dependency handling.
- **Designed an intuitive UI** with **XML**, enhancing accessibility and user engagement.