

# RAVI RAJPUT

## Java Backend Developer

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### Summary

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I am a Java Certified Foundations Associate (1Z0-811) by Oracle and an aspiring Java Backend Developer. I specialize in building RESTful APIs using Java and Spring Boot, and I have strong experience working with PostgreSQL and clean architectural patterns. I have hands-on experience developing production-ready backend systems, integrating APIs, designing database schemas, and working with cloud-based deployment workflows. I am a consistent problem solver with a strong focus on writing efficient, maintainable, and scalable backend code.

### Skills

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**Languages:** Java, C++, SQL, C

**Frameworks:** Spring, Spring Boot, Hibernate, JPA, J2EE

**Web Technologies:** JSP, HTML, CSS

**Tools / Platforms:** Git, VS Code, IntelliJ, Eclipse, Docker, Docker Hub, Cursor, Antigravity

**Databases:** PostgreSQL, MySQL, SQL, MongoDB, MongoDB Atlas

**Core Skills:** REST APIs, OOP, Microservices (basics), Database Design, Clean Architecture, Debugging

### Projects

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**E-Commerce Product Management System** | *Spring Boot, PostgreSQL, React (TypeScript), Cloudinary*

- Developed a full-stack e-commerce product management system with RESTful APIs using Spring Boot.
- Implemented product CRUD operations, keyword-based search, and image upload functionality.
- Integrated Cloudinary for scalable image storage and stored only secure image URLs in PostgreSQL.
- Designed a clean layered architecture using Controller, Service, and Repository with Spring Data JPA.

**Hospital Management System** | *Java, Spring Boot, Next Js, PostgreSQL*

- Built backend with entities such as Doctor, Patient, Appointment, Insurance, and Department.
- Implemented complex JPA relationships: Many-to-Many, One-to-One, One-to-Many.
- Added validation, cascading, and Hibernate auto-DDL for schema generation.
- Followed modular layered architecture for maintainability and scalability.

**AI-Powered Email Reply Generator** | *Spring Boot, Google Gemini, Extension*

- Created an AI email reply system using Google Gemini API with customizable tones.
- Developed a browser extension adding a reply-generation button directly inside the email UI.
- Implemented WebClient for API communication and applied smart prompt engineering.
- Followed MVC architecture using Spring MVC for backend module design.

### Certifications

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- **Java Certified Foundations Associate (1Z0-811)** – Oracle
- **Java Spring Framework 6 with Spring Boot 3** – Udemy (Telusko, Navin Reddy)
- **SQL on Oracle Cloud** – Oracle
- **NPTEL – Computer Networks**

### Achievements

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- Solved **250+** **LeetCode** problems; earned a **50-day consistency badge**.
- Participated in backend development challenges and coding contests.

### Education

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**B.Tech in Computer Science**

*Parul Institute of Engineering and Technology, Vadodara*

**2022 – 2026**

*CGPA: 8.27 / 10*