

# SABHAY DEV SHARMA

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## Summary

Java Backend Developer with 2.5+ years at TCS building enterprise applications using Java, Spring Boot, REST APIs, Hibernate/JPA, SQL, PostgreSQL and Angular. Experienced in microservices, API integration, database optimisation, JUnit/Mockito, Git, Maven, CI/CD and Agile/Scrum. Expanding into Python, FastAPI, Generative AI, LLMs, RAG and AI agents.

## Experience

### Tata Consultancy Services (TCS)

Nov 2023 – Present

Assistant System Engineer

#### Project Resource Tracker System | Java · Spring Boot · Angular · PostgreSQL · REST APIs · Hibernate/JPA

- Built **10+ REST APIs** for employee-project mapping; reduced API response time **35%** through SQL restructuring and Hibernate/JPA optimisation.
- Developed backend validation, transaction and data-integrity rules; reduced assignment errors **~40%** and **eliminated 3 critical inconsistencies**.
- Implemented Angular-REST integration and **dynamic grids for 50+ users**; delivered within Agile/Scrum sprints using Git, Maven, JUnit, Postman and CI/CD practices.

#### iDigipay – ICICI Bank | Java · Spring Boot · MySQL · REST APIs

- Developed backend **payment-processing modules** handling thousands of daily transactions with **zero reported data-loss incidents**.
- Optimised SQL queries by **25%**; implemented validation, database operations, debugging, code reviews and Git-based delivery workflows.

#### Income Tax Business Application | Spring Boot · Oracle · SQL

- Led Oracle **database migration** with **zero data loss** and **<2 hours downtime**; restructured schemas and improved query performance **~30%**.

## Project

#### AI Code Review & Bug Detection Agent | Python · FastAPI · LLM · REST API · Generative AI

- Building an **AI-powered code-review service** that analyses source code and error logs and returns file name, line number, error explanation, severity and suggested fixes.
- Designing **FastAPI REST endpoints** with structured AI responses; exploring LLMs, embeddings, RAG, vector databases, tool calling and AI-agent workflows.

## Technical Skills

**Backend:** Java, Python, SQL, JavaScript, Spring Boot, REST APIs, Hibernate/JPA, FastAPI, Microservices, JUnit, Mockito, Maven

**AI / ML:** LLMs, Generative AI, RAG, Embeddings, Vector Databases, AI Agents

**Cloud & DevOps:** AWS, Docker, Kafka, CI/CD Pipelines, Git, GitHub

**Databases:** PostgreSQL, MySQL, Oracle

**Frontend:** Angular, TypeScript, HTML5, CSS3

**Testing & Tools:** JUnit, Mockito, Postman

## Education

### Manipal University Jaipur

2026 – present

Master of Business Administration (MBA) — Jaipur, India

### Jagannath International Management School

2020 – 2023

Bachelor of Computer Applications (BCA) — New Delhi, India | **CGPA: 8.9 / 10**

## Achievements

- TCS Star of the Month Award** — Outstanding performance and top-tier delivery contribution.
- TCS On-the-Spot Award** — Exceptional delivery speed and measurable business impact.