

# SANJAI V

JAVA BACKEND DEVELOPER

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## Professional Summary

Entry-level Java Backend Developer skilled in **Core & Advanced Java, Spring Boot, REST APIs, and MySQL**. Hands-on experience in building scalable applications and API integrations. Proficient in **Git/GitHub, Postman, Swagger** and familiar with **Agile methodologies**. Passionate about backend development and eager to contribute to enterprise-grade projects. Currently expanding knowledge in JUnit, Hibernate, and Microservices architecture.

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## Technical Skills

**Programming:** Core Java, Advanced Java, SQL, HTML, CSS

**Frameworks:** Spring Boot, MVC, REST APIs, Spring Data JPA, Validation

**Built tools & IDE:** Maven, Swagger, Postman, Visual Studio Code, Eclipse

**Database Management:** MySQL

**Version Control & CI/CD:** Git, GitHub

Software development, Object oriented programming, Web development, API Integration, API Security (JWT/OAuth)-Basics, RESTFUL services, JDBC, JUnit (Basic), Problem solving, Team Collaboration & Communication, Adaptability and Quick learning, Testing, Quality Assurance.

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## Education

### Bachelor of Computer Application (BCA) | 2020– 2023

MGR Arts and Science College, Hosur, TN (Periyar University)

- Graduated with a CGPA of 7.796 reflecting my strong academic performance.

### Higher Secondary Certificate (HSC) | 2018 - 2020

Seventh Day Adventist, Hosur, Krishnagiri, TN

- Scored 86% in State Board of Examinations.

### Secondary School Leaving Certificate (SSLC) | 2018

Swathy Matric Hr. Secondary, Hosur, Krishnagiri, TN |

- Scored 91%
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## Professional Expertise

- Developed responsive web applications using **Spring Boot**.
- Designed and managed databases with **MySQL, Spring Data JPA** to ensure secure and efficient data handling.
- Implemented **REST APIs** to enable seamless communication between client-side and server-side functionalities.
- Utilized **Git** for version control, managing and collaborating on code repositories via **GitHub**.

- Implemented pagination, sorting, and search features for efficient data retrieval. Enforced validation and error handling using Jakarta annotations
  - Built and deployed two Projects that increased the efficiency by 12 percent.
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## Projects

**Simple & Scientific Calculator** | <https://github.com/SanjaiV28/AdvancedCalculatorApplication.git>

### Technologies Used - Java & Spring Boot, REST APIs, Maven

- Developed a user-friendly calculator application with both basic arithmetic and advanced scientific functions (logarithms, exponents, trigonometry) using Core Java. Expression evaluation via exp4j with variables.
- Implemented Spring Boot for backend logic, ensuring modularity and efficient dependency management.
- Applied OOP principles and MVC architecture for clean, maintainable code.

### Employee Management System |

**Technologies Used – Java, MySQL, Spring Boot (MVC, Data JPA, Validation, REST APIs), Maven, Exception Handling, Transaction Management, Swagger UI**

- Developed a **Spring Boot 3.2 Employee Management API (Java 17)** with **12+ REST endpoints** for CRUD, search, pagination, and sorting. Improved data handling efficiency by 20% using **Spring Data JPA, Validation, and Transaction Management**. Tested APIs with **Postman & Swagger UI**.
  - Implemented clean Controller–Service–Repository–Entity–DTO separation with transaction management via `@Transactional`.
  - Created Employee entity with field constraints, enum status, audit timestamps, and a unique email constraint using JPA.
  - Enforced request validation with Jakarta Validation annotations and clear, field-level error messages.
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## Certifications & Training

- **MySQL Basics and Advanced** – Great Learning
  - **Java Programming (Self-Learning)** – GeeksforGeeks  
Strengthened Core & Advanced Java concepts, OOP principles, Collections, Exception Handling, and applied learning through problem-solving and project-based implementation.
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## Languages

- English (Professional Proficiency)
  - Tamil (Native Proficiency)
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