

JYOTENDRA KUMAR SINGH

Java Backend Developer

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Profile

Aspiring Java backend Developer with a strong foundation in Java programming and Web Applications. Eager to apply academic knowledge in developing scalable applications using Java fundamentals, Spring Boot and Hibernate frameworks. Dedicated to growing skills and contributing to innovative backend solutions.

Summary

- Have practical knowledge in developing **enterprise web applications** using **Java & J2EE** technologies and well acquainted with **SDLC**.
- Proficient in **Spring Boot**, **Spring Security**, and **Spring Data JPA** for building secure and scalable web applications.
- Strong knowledge of **Hibernate ORM** for object-relational mapping and database interaction.
- Skilled in **SQL, MySQL**, including designing **schemas**, writing optimized **SQL** queries, and ensuring data integrity.
- Familiarity with **Servlets** and **JDBC** for developing server-side components and interacting with databases.
- Solid understanding of **Core Java** concepts and **OOPs** principles.
- Created web applications by **developing, implementing**, and maintaining Java based components and **interfaces**.
- Proficient in utilizing **Spring Framework** to develop robust and modular applications.
- Proficient in implementing **authentication** and **authorization** mechanisms using **Spring Security**.
- Familiar with Developing and Testing **Rest APIs** using Postman.

Technical Skills

Language	JAVA J2EE
Frameworks	Spring Boot, Spring Security, Spring MVC, Hibernate
API Development:	RESTful APIs
Microservices Architecture:	Design and implementation
Web Technology	HTML, CSS
Database	MySQL Server, RDBMS
Development Tools:	Spring Tool Suite, Eclipse, IntelliJ IDEA, Postman, Git-GitHub
Productivity Tools:	Microsoft Office Suite (PowerPoint, Excel, Word)

Projects

Project: Hotel Booking Application

Project Description

The Hotel Booking project is a sophisticated platform designed to streamline hotel reservations, featuring advanced functionalities such as JWT token-based authentication, intuitive hotel search capabilities, user reviews, and the ability to add favourites for a personalized booking experience.

Project: Blogg Application

Project Description

The Blog Application is a user-centric platform offering JWT token authentication, seamless blog creation, interactive commenting, and personalized profiles. It fosters a dynamic blogging experience with intuitive search and editing features for content creators and readers.

Environment: Core Java, Representational State Transfer (REST), Spring MVC, Spring Boot, Hibernate/JPA, Spring Cloud, Object-Oriented Programming (OOP), MySQL, Backend, Maven, Git, REST APIs.

Key Contributions

- Have worked primarily on Java/J2EE technology, **Spring Boot**, **Microservices** & Spring Framework with **Hibernate**.
- Utilized **Collections** and **OOPs** concepts to improve code readability and maintainability.
- Implemented **MVC architecture** to ensure a well-structured and organized codebase, facilitating efficient collaboration among team members.
- Created **Rest Controller**, **Service**, and **Service Impl** components to handle API endpoints and business logic, ensuring seamless integration and functionality.
- Designed and implemented **Payload** classes for efficient data transfer and processing, enhancing overall performance and scalability.
- Integrated **Spring Security** and **JWT** Token authentication to secure the application and manage user sessions, prioritizing data privacy and user safety.
- Developed robust **exception handling** mechanisms to gracefully handle errors, providing meaningful error messages and enhancing user satisfaction.
- Utilized **Model Mapper** to simplify object mapping and conversion processes, improving code maintainability and reducing development time.
- Implemented **pagination** to efficiently manage large datasets and improve application performance, providing a seamless user experience.
- Utilized **Hibernate** mappings for efficient database operations and data retrieval, ensuring optimal performance and data consistency.
- Leveraged **Java 8** features to enhance code readability and efficiency, embracing modern language constructs **REST APIs** to deliver high-quality code.

Education

B.Tech. in **Computer Science and Engineering**, Ramgarh Engineering College, Jharkhand

Declaration

I hereby declare that the above information is true and best of my beliefs and knowledge and given an opportunity in your esteemed organization will deliver to the best of the expectations.

Jyotendra Kumar Singh