

Skills

- Java, Data Structures and Algorithms, LLD, Spring Boot, MySQL, Git

Projects

E-Commerce Platform (Java, Spring Boot, Maven, RESTful APIs, Microservices)

<https://github.com/divyanshu851/ecommerceSite.git>

Developed a microservices-based e-commerce platform using Java and Spring Boot. The platform provides a comprehensive suite of features that enable businesses to sell their products online.

- **Product Management** : Implemented CRUD operations for product management using Spring Data JPA and Hibernate.
- **Category Management**: Developed category management functionality with RESTful APIs using Spring MVC.
- **Exception Handling**: Implemented robust exception handling using Spring's @ControllerAdvice and @ExceptionHandler.
- **Microservices Architecture**: Designed the application following the microservices architecture pattern for better scalability and maintainability.

Tech Stack : Java, Spring Boot, Maven, Spring Data JPA & Hibernate, RESTful APIs, Microservices, GitHub

BookMyShow Backend System (Java, Spring Boot, MySQL, SOLID Principles, Design Patterns)

https://github.com/divyanshu851/book_my_show.git

Developed a high-performance backend system for BookMyShow, a leading online ticketing platform, using advanced Java technologies and MySQL database. The system efficiently manages seat availability, handles concurrent booking requests, and ensures data integrity.

- **Concurrency Control**: Implemented pessimistic locking using Spring Boot's transaction management and MySQL's locking mechanisms to ensure data consistency and prevent booking conflicts.
- **Resource Optimization**: Leveraged concurrent data structures and synchronization primitives in Core and Advanced Java to optimize resource utilization during seat booking operations, thereby minimizing contention and enhancing performance under high concurrency.
- **Scalability**: Applied SOLID principles and design patterns to architect a scalable backend system capable of handling a large volume of concurrent booking requests while maintaining high reliability and maintainability.
- **Database Management**: Utilized MySQL for managing seat availability and booking data, leveraging its robust transaction support and locking mechanisms to enhance data integrity and concurrency control.

Tech Stack : Java, Spring Boot, MYSQL, SOLID Principles, Design Patterns, DSA, GitHub

Achievements

- Solve 310+ problems of DSA, SQL and development from Scaler.

Education

Scaler

2024

Specialized in Software Development & Problem Solving

sagar institute of research & technology

2022

BE/B.Tech/BS in Electrical