

SUMIT KUMAR GUPTA

JAVA DEVELOPER

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PROFESSIONAL SUMMARY

Experienced Java Developer with 2.2+ years of full software development life cycle experience. Proficient in Core Java, Microservices, Spring Boot, and Object-Oriented Programming. Demonstrated success in delivering high-quality solutions and surpassing client expectations through effective design, development, and validation activities. Passionate about leveraging expertise to contribute to innovative projects and drive success.

EXPERIENCE

Java Developer

Bangalore

Binary Semantics Ltd

- Collaborated **seamlessly with delivery teams** to design, develop, and successfully validate diverse projects across various technology domains, enhancing overall project efficiency.
- Translated intricate **client requirements** into detailed system specifications, contributing to precise project estimation and facilitating accurate planning.
- Incorporated **third-party APIs** for **email services and OTP delivery**, enriching application capabilities and elevating **user experience**.
- Spearheaded the development of highly efficient programs and systems, consistently meeting and surpassing stringent quality standards, resulting in elevated **project outcomes**.
- Employed adept **real-time troubleshooting** skills to promptly address and resolve issues, ensuring uninterrupted project progress and maintaining high levels of client satisfaction.
- Demonstrated exceptional proficiency in **Core Java, Databases, Microservices, Object-Oriented Programming, SQL, Spring Boot, and the Spring Framework**, contributing to the successful implementation of robust and scalable solutions.
- Actively participated in **impactful technology discussions**, providing valuable insights and recommendations that significantly enhanced project efficiency and outcomes.

PROJECTS

Greyhound Bus

Technology Stack: Utilized development tools such as IntelliJ IDEA, Postman, MySql Workbench

Technologies: Core Java, Spring Boot, Hibernate JPA, Microservices, Web Services (RESTful)

Project Overview: Greyhound is a bus booking app, that offers a seamless travel experience. Effortlessly plan journeys with real-time updates and explore various routes. Enjoy the convenience of selecting preferred seats and managing bookings securely. The app boasts a robust online ticketing system with integrated payment gateways, ensuring smooth transactions. Collaborative troubleshooting and cross-browser optimization enhance the user experience. Rigorous usability testing refines the design for optimal satisfaction, resulting in a streamlined booking process. Greyhound revolutionizes bus travel, increasing customer engagement and service efficiency.

ROLES AND RESPONSIBILITIES

Understanding User Requirements: Assessed and interpreted user requirements meticulously, aligning development efforts with project goals effectively to ensure a clear and concise understanding of client needs.

Spring MVC Architecture Implementation: Led the design and implementation of RESTful APIs using the Spring Boot framework and Spring MVC architecture, fostering a structured and modular foundation for the project's development.

Hibernate JPA for ORM: Employed Hibernate JPA for efficient and robust object-relational mapping (ORM), ensuring seamless data interaction with the underlying MySQL database.

Layered Development: Developed and maintained distinct layers, including **Controller, Service, Entity and Repository**, fostering efficient code organization and modularity.

API Testing With Postman: Conducted comprehensive testing of API endpoints using Postman, ensuring the reliability and adherence of the implemented APIs to specifications. Documented API functionalities, **endpoint** details, and request/response structures for improved collaboration among **cross-functional teams**.

Microservices Architecture: A web services and microservices architecture have been effectively implemented utilizing **REST APIs** to facilitate **third-party integrations**.

Eureka Server: Microservices have been developed and deployed on an Eureka Server to optimize **service discovery** efficiency.

API Gateway: Implemented **API Gateway** to centralize communication among microservices, enhancing **security, scalability, and maintenance efficiency**.

RestTemplate: Utilized RestTemplate for **seamless communication between microservices**, ensuring efficient data exchange and system interoperability.

Authorization and Authentication with Spring Security: Implemented robust security measures using Spring Security to safeguard sensitive data and control user access.

JWT Token Implementation: Incorporating JWT token authentication for secure user access in the sign-in process.

Integration of PDF generation: Integrated PDF generation for **e-tickets**, implemented **SMS notifications**, and seamlessly incorporated a payment gateway functionality using a sandbox account, thereby enriching the application's feature set.

Handling Exceptions in the project: Implemented effective **exception handling** mechanisms, ensuring graceful error recovery and an **enhanced user experience**.

JUnit Testing for Application: Developed comprehensive JUnit tests to ensure the functionality, reliability, and correctness of various components, including controllers, services, and repositories.

Debugging: Conducted debugging processes to identify and resolve issues within a microservices architecture, ensuring optimal performance and reliability.

Deployment and configuration with Spring Profiles: Leveraged Spring profiles to manage configuration settings, ensuring flexibility across development, testing, and production environments.

AWS Deployment: Successfully deployed the project to a Quality Assurance (QA) environment on AWS, providing a reliable and scalable platform for testing and validation.

TECHNICAL SKILLS

Programming Languages: Java, Java 8, SQL, JavaScript

Web Technologies: HTML, CSS, Servlet, JSP, JSTL

Frameworks: Spring Boot, Hibernate JPA

Server: Apache Tomcat

API Development: RESTful API, JSON, API/Web Services

Security: Spring Security, JWT Token

Debugging: Debugging Techniques

API Documentation: Swagger

Version Control: Git Github

Continuous Integration/Continuous Deployment (CI/CD): Jenkins

Containerization: Docker

EDUCATION

Lakshmi Narain College of Technology

Bachelor of Technology in Electronics And Communication (CGPA:- 8.28)

Bhopal, IN