BISWAJITA BARIK
JAVA BACKEND DEVELOPER

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ABOUT

An innovative and accomplished software engineering with a 3.1 years of experience of proven success for creating and implementing .Proficient in **Java8**,**RestfulApi**, **Spring Boot framework**, **Spring MVC architecture** , **ORM** tool and **Microservices Architecture**. Also passionate about Staying ahead in tech and eager to bring innovative solution to the IT sector.

EDUCATION

I graduated B.TECH (CSE) with distinction from Barpada Institute of Engineering Technology (BPUT).My academic progress is reflected is an outstanding cumulative Grade point average(CGPA) of **8.81**,showcasing my commitment to Excellence and dedication to continuous learning.

SKILLS

- Core Java 8
- Spring Boot
- Spring MVC
- Hibernate JPA
- Java8
- Restful API
- MY SQL
- Logger
- Postman
- Swagger
- MongoDB
- Microservices
- Spring Security
- Debugging
- Aws
- Agile
- Maven
- JWT Token
- Junit

TOOLS

- INTELLIJ IDEA
- Eclipse
- MYSQL workbench
- Git & Git hub
- Postman
- Apache Tomcat v9.0
- Eureka Server

PROFESSIONAL EXPERIENCE

Current Company- CGI

(,**BANGALORE**) _ **3.1 years** (may10, 2021 present)

Results-driven and high motivated Java Backend Developer with 3.1 year of experience in Developing **Air Travel Reservation** App. implementing **Spring Boot** , **Spring MVC**, **Hibernate** ,**Java 8**,**Collections**, **MYSQL** , **Swagger**, and **Microservices architecture**. Experienced in integrating payment gateway and third-party APIS. Excellent communicator with demonstrated leadership and teamwork.

RESPONSIBILITIES

- Implemented **CRUD** operations for this module .
- Developed robust **service** layer for module development Ensuring the smooth functionality.
- Using **Lombok annotation** and **Model mapper** to remove the boilerplate code.
- Implemented **Spring MVC** for **Rest API development** also proficient in implementing **Controller** and handling **data validation mechanism**.
- Utilized **JPA Repository** to efficiently data access manage incorporate **Pagination** and **shorting** technique.
- Leveraged **java8 features** such as **Stream Data JPA** for **Hibernate** implementation ensuring efficient data persistence and management.
- Proficient in **Report generation** in excel and **PDF formats**, ensuring comprehensive data representation.
- Integrated **Third party API** for **OTP generation** and **SMS notifications**, enhancing the system functionality.
- Proficient in analyzing the **ER diagrams** in **MYSQL workbench** in Efficient database management.
- Through Testing APIS using **Swagger** ensuing functionality and reliability.
- Upon successfully booking, **pdf tickets** are generated using **ITEXT Pdf library**.
- Performed **sign in** and **sign up operations** with spring security.
- Setup and configuration of **test payment gateway** for for streamlined payment processing.
- Proficient in **debugging projects**, ensuring smooth functionality and resolving issues promptly.
- Collaborate effective using **Git** &**GitHub** for **version** controller and team collaboration.
- Leveraged **Java 8 features** such as **Stream API** and **Optional classes** for optimized code implementation.
- Experienced in preparing comprehensive **API documentation** for clear understanding and integration.
- Skilled in handling **exceptions** in project, ensuring robust error handling mechanisms.
- Demonstrated expertise in securing **API** using **Spring Security** and **JWT Token** for enhanced data protection.
- Proficient knowledge on strategies to enhance the resilience of microservices, such as circuit breakers, retries, and fallback mechanisms.

ROLES AND RESPONSIBILITIES

- Developed Java **Bean** components to implement and manage business logic, ensuring efficient and modular code.
- Utilized **Java 8** features such as **Stream API** and **Optional class** to enhance code readability and efficiency.
- Leveraged **Hibernate** as an ORM tool for database operations, enhancing data management.
- Developed and implemented several components to enhance system functionality, including a **token Generator** responsible for generating unique UUIDs upon user payment completion and automated email notifications.
- Developed **JMS** Components to facilitate messaging between applications, improving internal communication and data exchange.
- Successfully developed a **search module** to enhance data retrieval efficiency across diverse sources. Additionally, Successfully led the development of a rating and review feature empowering users to provide feedback. These contributions significantly augmented system functionality, enriching user experience and fostering engagement.
- Implemented **data validation** in Spring-boot and conducted **refactoring** to improve code quality and maintainability.
- Implemented complex multi-table joins and conditional queries in the database, optimizing data retrieval and processing.
- Utilized Java collection classes such as **List**, **Set**, and **Map** extensively for efficient data manipulation and management.
- Created API endpoints with **CRUD** capabilities following RESTful specifications, enabling seamless interaction with the application.
- Implemented **global exception** handling mechanisms to manage and handle exceptions across various components of the application.
- Developed **custom exception** handling strategies tailored to specific application requirements. This involved defining custom exception classes and methods to encapsulate specific error conditions.
- Conducted **code reviews**/**code coverage** and managed configuration builds using Maven, ensuring code quality and version control.
- Leveraged **Spring Profiles** to effectively manage deployment environments (development, staging, production), ensuring seamless transitions between different environments and facilitating streamlined testing and deployment processes.
- Utilized **Model Mapper** to enhance object mapping and conversion processes, simplifying complex data transformations and improving code maintainability.
- Implemented **pagination** techniques to efficiently manage large datasets within the application, enhancing performance and ensuring a seamless user experience.
- Generated reports in various formats including **CSV**, **PDF**, and **Excel** for data analysis. This involved implementing reporting functionalities to extract and present data in user-friendly formats.
- Performed unit test for various components, ensuring functionality and compatibility using **JUnit** and **Mockito**.
- Implemented secure login and logout functionalities using **OAuth** for quick and robust authentication. Integrated **JSON Web** Tokens (JWT) for token-based authentication.
- Addressed day-to-day technical issues and provided timely resolutions to maintain application stability.
- Implemented cross-cutting concerns such as Logging and Tracing using **Aspect**-**oriented programming** (**AOP**).
- Utilized a **logger** to properly log information and errors, and integrated it with the **ELK stack** for efficient log management.
- Developed a secure **OTP-based user validation** system for login, enhancing the security of user data using **TWILLO**.
- Integrated and set up test **payment gateways**, facilitating smooth and secure transactions.
- Integrated **third-party APIs** to facilitate **email notifications** for booking confirmations, OTPs, and more, enhancing user communication.
- Prepared and maintained **detailed API documentation** to assist developers in understanding and utilizing the system's functionalities.
- **Tools/Technologies:**
  Core Java, **Spring MVC**, **Spring Cloud**, Agile Methodology, IntelliJ IDEA, Maven, Apache Tomcat, Postman, TWILLIO, ROZERPAY

DECLARATION

PLACE BENGALURU   SIGNATURE: **Biswajita barik**