



Banulekha S

Full stack java developer

CAREER OVERVIEW

Experienced Java full stack developer with over 1.7 years of Solid IT experience in Development of API, Spring boot, JWT Token, maintenance of java and MYSQL. Highly skilled in designing web development and building java codes to increase efficiency of applications. Strong Experience in building the frameworks using MVC and spring frameworks. Now looking for an opportunity to use these skills in a Collaborative environment with other passionate technologists creating delightful experiences for motion recruitments end users.

PROFESSIONAL EXPERIENCE

Cognizant Technology Solutions | Java Developer | 1.7 years

PROFICIENCY IN TECHNICAL DOMAINS

- **Programming Languages:** Proficient in Core Java 8.
- **Spring Framework:** Skilled in Spring Boot, Spring MVC, Spring Data JPA, and Spring Security. Experienced in implementing JWT Token authentication.
- **Hibernate:** Possess a strong understanding of Object-Relational Mapping (ORM) and Entity Mapping.
- **Web Services:** Experienced in the development of RESTful APIs and adept at working with JSON.
- **Database Technologies:** Proficient in utilizing MySQL and Oracle databases.
- **Version Control Systems:** Proficient in the use of Git and GitHub for version control and collaborative development.
- **Build Tools:** Experienced in project build and dependency management with Maven.
- **Testing Framework:** Skilled in employing JUnit for unit testing and following test-driven development practices.
- **Deployment:** Knowledgeable in deploying applications on Amazon Web Services (AWS).
- **IDEs and Development Tools:** Proficient in working with IntelliJ IDEA, Eclipse, and Spring Tool Suite (STS).
- **Agile Methodologies:** Familiar with the Scrum process for iterative and collaborative software development.
- **Security:** Experienced in implementing JWT (JSON Web Tokens) for secure application authentication and authorization.
- **Third-Party API Integration:** Skilled in integrating SMS services, payment gateways, and WhatsApp APIs.

CONTACT

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SOCIAL MEDIA



<https://www.linkedin.com/in/banulekha-s-01a45620a>

Areas of Expertise

- Core Java 8
- Ooops Concept
- Hibernate (ORM) JPA
- Spring Boot
- Spring security
- MYSQL
- Restful API Development
- Testing API in Postman
- JDBC
- Spring MVC
- JWT Token

EDUCATION

Master of Technology

Vellore Institute of Technology, Vellore

PROJECT WORK

Project Name : United Airlines
Team Size : 8
Duration : 1.7 years
Process Type : Agile Scrum
Technologies Used : Java, Spring Framework like
Spring Boot, Spring MVC,
Spring Security, Hibernate
JPA, Web Services, JSON.

PROJECT DESCRIPTION

In this ambitious project, we aim to modernize **United Airlines reservation and booking system** to enhance customer experience, streamline operations, and accommodate future growth. Leveraging cutting-edge technologies and industry best practices, we will revamp the existing system to offer advanced functionalities and ensure a seamless journey for passengers from booking to boarding.

MY CONTRIBUTIONS IN THE PROJECT

United Airlines | Online Reservation System

- **Developed RESTful APIs** to facilitate flight bookings in the United Airlines system using the Spring MVC framework.
- **Enhanced functionality** by seamlessly integrating external APIs, employing advanced API integration techniques.
- **Implemented robust user authentication** and role-based access control using Spring Security for enhanced security.
- **Ensured reliability and quality** by conducting comprehensive unit testing using JUnit and Postman for feature validation.
- **Designed and built an enterprise-level blog management system** leveraging Java/J2EE technologies.
- **Efficient data processing** and retrieval were achieved through the use of Spring Boot framework and RESTful APIs.
- **Enabled seamless database connectivity** through JDBC and effectively managed data using SQL.
- **Leveraged AWS Services** for deploying the system in the QA environment, ensuring scalability and reliability.
- **Promoted collaboration** and version control among team members by utilizing Git and GitHub.
- **Proficiently utilized Entity-Relationship (ER) diagrams** to inform database design and entity relationships.
- **Streamlined database interactions** through the use of Object-Relational Mapping (ORM) frameworks such as Hibernate or Spring Data JPA.
- **Implemented secure JWT token generation** for authentication.
- **Enhanced user experience** by implementing robust exception handling and error management.
- **Configured deployment across different platforms** using Spring profiles and managed application-specific configurations via application.properties files.

- **Facilitated knowledge transfer (KT) sessions** for new team members to ensure smooth onboarding and project understanding.
- **Improved data retrieval and presentation efficiency** by implementing pagination and sorting techniques.
- **Integrated third-party API services** for email communication, payment processing, and SMS functionality.
- **Optimized code quality** by utilizing collections, Java 8 features, and Lombok to reduce boilerplate code.
- **Applied object-oriented programming (OOPs) principles extensively** throughout the project development process.