

Ramya K

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Summary:

- Acquired 3+ years of Java development experience, successfully completing two key projects. Focused on designing and optimizing applications to meet business requirements effectively..
- Comprehensive expertise in Java backend development, specializing in frameworks like Hibernate, Spring Core, Spring ORM, Spring MVC, Spring Boot, Spring Data JPA. Proficient in building RESTful Web Services using Spring Boot, implementing Spring Security (OAuth2 & JWT) and Actuators. Experienced in microservices architecture and containerization, working within the Agile/Scrum methodology..
- Experience working with various SDLC methodologies based on Agile/SCRUM like Test Driven Development (TTD), Incremental and Iteration methodology, Agile Development.
- Experienced in Git/GitHub for version control, Maven for build automation. Proficient in Java development with Eclipse, Spring Tool Suite, VS Code. Skilled in API testing with Postman, Docker for containerization, Jira, Swagger. Also, knowledgeable in Tomcat, Log4J. Familiar with Jacoco, SonarQube for code coverage, Eureka for service registry, API gateway for routing/security, Grafana for monitoring. Additionally, proficient SQL queries with Sqlectron. Experienced in unit testing with JUnit & Mockito.
- Experience in utilizing open-source frameworks as Apache Tomcat, , Hibernate & Spring 3.
- Ability to communicate with both technical, professionals and end users Experience with building microservices (Spring boot or groovy).
- Experience in testing with JUnit Framework using Mockito and Easy Mock, Spring Junit Runner, JMeter.
- Cooperate diligently with other IT team members to plan, design, and develop smart solutions.
- Working experience in implementation and support phases of projects.

Education:

- BSc(Computer Science) from Hyderabad KV Ranga Reddy Degree College with 85% in 2021
- MPC from Chaitanya Junior College with 78.2% in 2018
- S.S.C. from Gouthami High School Achampet with 93% in 2016

Technical Skills:

Languages	: Java, J2EE, JDBC, HTML, JavaScript, SQL, PostgreSQL.
Frameworks	: Spring, Spring Boot, Hibernate, Spring security.
IDEs	: Eclipse, Spring Tool suite,
Web technologies	: HTML, CSS, JavaScript, React JS and Bootstrap.
Tools	: Log4J, Postman, Maven
Web/Application Servers	: Apache Tomcat 8.x, Web Logic
Web Services	: Restful services, Microservices
Methodologies	: Agile, Scrum, Waterfall.
Testing technologies/tools	: Junit, Log4J, JMeter, Mockito
Version Control Systems	: GitHub, Bit Bucket
Build Tools	: Maven,

Experience:

- Worked in Zettamine Labs pvt Hyderabad as Software Engineer from November-2023 to Present
- Worked in ELLIPSE TECHNOLOGIES PRIVATE LIMITED as Software Engineer from September 2021 to October 2023

Project Summary

Project Title : Mortgage Process Accelerator - Master Data Management

Client: PennyMac Mortgage Services

November 2023-December 2024

Role: Java Developer

Description: The Mortgage Process Accelerator - Master Data Management system is dedicated to storing essential data for mortgage loan processing. This includes detailed information on Loan Products, as well as key third-party vendors such as Escrow companies, Underwriting firms, Property Appraisal firms, and Survey companies, among others. The application offers a range of search functionalities tailored to retrieve different master data sets efficiently.

Responsibilities:

- Involved in analysis, design, implementation and testing phases of Software Development Life Cycle (SDLC) using agile methodology (SCRUM) for developing application.
- Worked closely with architects and team members to translate overall system architecture and product requirements into well-designed, implemented and tested software solutions.
- Participate in code reviews to maintain code quality and share knowledge across the team.
- Design and develop RESTful Web Services using Spring Web MVC framework.
- Used Spring Core annotations for Spring Dependency Injection, Spring MVC for Rest API's and Spring Boot for Microservices.
- Worked on creating the persistence layer using Hibernate ORM framework. This involves developing mapping files and Hibernate (POJOs/ DAOs).
- Implemented Test Driven Environment (TDD) used JUnit, Mockito for Unit testing and SonarQube for code coverage and quality.
- Expertise working with Java 8 features like Generics, exception handling, collection API, Functional Interfaces, Multithreading, Lambda Expression, Stream API
- Used JWT, OAuth 2.0 for authentication, postman and Swagger for testing the Api.
- Experience with logging frameworks like SLF4J and Log4J to enable proper API logging and monitoring.
- Used Actuator to check the health of application.

Environment: Java 8, React Js, java, J2EE, Eclipse, STS, Spring Boot, PostgreSQL, CSS, HTML, JavaScript, Maven, Spring security, JWT, GIT, Lambda, API Gateway.

Project Title : IHIS (Integrated Health Insurance System)

Client: Michigan State Govt, USA

September 2021 – October 2023

Role: Java Developer

Description: This Project is used to provide fully integrated health insurance system for Michigan state citizens. Michigan state providing health and insurance plans like SNAP, CCAP, Medicaid, Medicare, QHP, NJW. IHIS is an Intranet application. We can access IHIS application in DHS offices only. DHS department employees are called as Case Workers. Case Workers will use IHIS application. NJ state citizens should visit nearest DHS office to apply for health insurance plan. In IHIS application, we have 8 modules like Admin, Case Worker, Application Registration, Data Collection, Eligibility Determination, Correspondence, Benefit Issuance and Reports module.

Responsibilities:

- Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (SDLC) and used agile methodology (SCRUM) for developing application.
- Spring MVC Module Development is a Played a key role in designing, implementing, and optimizing modules within the Spring MVC framework, ensuring scalability and performance.
- Actively participated in identifying, prioritizing, and resolving bugs and defects in collaboration with the QA team, adhering to SLAs for high-priority issues.
- Designed and implemented intuitive and user-friendly view pages using Spring MVC, focusing on enhancing the end-user experience.
- Hibernate ORM framework used to interact with database through Hibernate query language (HQL).
- Developed and optimized RESTful APIs using Spring Boot and Spring MVC, including controllers for handling requests and sending appropriate responses..
- Worked on creating the persistence layer using Hibernate ORM framework. This involves developing mapping files and Hibernate (POJOs/ DAOs).
- Integrated Log4j for application logging, facilitating monitoring, debugging, and analysis of application execution flow.
- API Testing: Validated API responses by leveraging tools like Swagger UI and Postman, ensuring compliance with functional and non-functional requirements.
- Code Optimization and Review: Regularly reviewed and optimized code for maintainability, performance, and adherence to industry standards.
- Collaboration and Communication: Collaborated effectively with cross-functional teams, including back-end developers, front-end engineers, and QA teams, to deliver high-quality deliverables within tight deadlines.
- Knowledge Sharing: Actively participated in knowledge transfer sessions and mentored junior developers in understanding project requirements and technical implementation.

Environment: Java8, Spring, Spring Boot, JPA, Hibernate, RESTful Webservices, PostgreSQL, STS, Maven, Log4J, Tomcat, GitHub , JUnit

Personal Details

- Address : Hyderabad,Telangana
- DOB : 11/07/2001
- Father name : Bramhaiah
- Nationality : Indian
- Languages : English, Telugu
- Hobbies : Listening music, playing games