**R Vani**

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**Professional Summary**

* Java Full Stack Developer with 7 years of professional experience in analysis, design, development and testing of web and distributed multi-tier applications using **Java** and **J2EE** technologies.
* Expertise in using **HTML, DHTML**, **CSS**, **JavaScript**, **XML** and **AJAX** in designing web pages.
* Test-driven development-**TDD** with **JUNIT**. Proficient in integration testing of web applications and remote systems.
* Well versed with complete **Software Life Cycle Development (SDLC)** process which includes Analysis, Designing, Developing, Testing, Implementing and Documenting the entire life cycle using various methodologies like **Waterfall, Agile, Scrum, Test Driven development.**
* Expertise in developing data models using **Hibernate** Object relational mapping (ORM) frame work and also used **HibernateAnnotations** to reduce time at the configuration level.
* Experienced in implementation of Web services based on **Service Oriented Architecture (SOA)** using **SOAP, JAX-WS, WSDL** using **Apache AXIS, CXF**.
* Good experience in **Object Oriented Analysis Design OOAD**using different design methodologies/process frameworks like **SDLC**and tools like **Rational Rose**, **Microsoft Visio**.
* Experience in applying best-practice **design patterns** and strategies to enterprise applications to reduce tight coupling, maximize performance, and reduce maintenance/extensibility risks.
* Good understanding and implementation of Object Oriented concepts. Extensive experience in object software design patterns/frameworks like **Spring,Struts, Hibernate** and **MVC** architecture.
* Used spring core Annotations for Dependency Injection **Spring DI** and **Spring MVC** FOR **Rest API's**, **Spring Boot** for microservices and Spring Batch for running batching jobs.
* Designed and developed Application based on **Spring Framework**, **Spring MVC** and spring templates.
* The **Spring MVC** architecture was employed in order to implement various aspects of cluster deployment tool such as for data-access, model view controller and also authentication and authorization.
* Used Spring Framework for Dependency Injection and integrated with **Hibernate** DAOs.
* Expertise in using **Angular JS** directives, Controllers, Filters, Services, Templets, Events and Injectors.
* Expertise in using **React JS** components, Forms, Events, Keys, Router, Animations and Flux concept.
* Exposure to installing web based applications multi-threaded application servers such as **Web Logic, WebSphere, JBOSS** and **Tomcat.**
* Experience in creating a simple Object Access Protocol(SOAP) request and making a WSDL call.
* Experience with implementing Service Oriented Architecture(SOA) using **SOAP** and **REST** Web services.
* Experience in working with **RESTFULL** Web services.
* Proficient in the design, development and implementation of Model-View-Controller (MVC) using Spring MVC, Design Patterns and DAO's, **J2EE** Architecture, **SDLC**.
* Integrate Web service URLs with internal/external API management (APIM) to achieve enhanced security by using Oauth2 Token based authentication framework.
* Provide database **SQL** scripts to Database Administrators (DBA) to analyse the software performance impact.
* Used **Rabbit MQ** as Java Messaging services for producing and consuming data between applications.
* Worked with **Jenkins**, **CI/CD** pipeline to integrate and deploy the code in to the Server.
* Involved in setting up Maven configuration and helping Continuous Integration (CI) Issues.
* Implemented Service Oriented Architecture (SOA) using JMS for sending and receiving messages while creating web services.
* Good hands on **SQL** and **PL/SQL**, used database tools like Toad and SQL Developer to access and work with Oracle objects (Tables, Views, Stored procedures, Functions, Packages).

**Technical Skills**

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| **Operating System** | Windows XP/7/8, UNIX/LINUX |
| **Programming Languages** | Java, C, C++, SQL  |
| **Databases** | Oracle, SQL Server, MySQL, MongoDB |
| **Web Technologies**  | JavaScript, XML, AJAX, HTML, CSS, JQUERY, JSON**,** Angular JS, Bootstrap, Node JS, React JS |
| **XML Technologies** | XML, XSLT, XPath, JAXB |
| **Web Services** | SOAP and REST |
| **Methodologies** | Agile/Scrum, Waterfall, RUP |
| **Application Framework** | Struts, Spring, Spring MVC, Spring Boot, Spring Batch, Hibernate |
| **Other Tools** | Jira, Rally, AWS, Junit, Jenkins, Ant, Maven, Gradle |
| **Version control** | SVN, GIT, Bitbucket |
| **Web server** | JBOSS, Apache Tomcat, IBM WebSphere |

**Professional Experience**

**Cigna, Philadelphia, PA Oct 2018 - Present**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Responsible for configuration management, change control and checking design documents
* Standardized item master creation, which saved computer implementation time.
* Involved in programming, testing, debugging, implementing and maintaining of distributed application to meet the organization's needs.
* Documenting business requirements; Data design and process re-engineering to fit with the Oracle system; Prototype new business processes; Design legacy data conversion; Configure applications; Create test scenarios**.**
* Worked as a team member in a Scaled Agile Framework **(SAFe)** Agile environment focused onsoftware support and delivery.
* Designed and Developed **J2EE** web-based consumer applications using **DHTML**, and **Ajax**.
* Developed **UI** screens using **HTML, CSS, JSP** and **JavaScript**.
* Carried out requirements gathering, requirements analysis, gap analysis, setups and customizations and testing
* Interacted with client team to understand the existing business practices and prepared the definition documents and designed requirement definition document and Functional Specification documents for Business Apps
* Worked with **Angular JS** MVC framework including authoring complex directives, services, controllers and filters.
* Developed user interface using JSP with **JavaBeans** and CSS, jQuery, Node.js, Angular Js, and HTML to speed the application.
* Developing new user-facing features using React JS.
* Responsible for developing the application homepages using HTML5, CSS3, JavaScript, React JS, Node JS and jQuery.
* Implemented a single page application using Angular
* Wrote data Components for Plan Setup and called StoredProcedures using Java , Hibernate.
* Responsible for writing utility classes, UI development using **JSP, CSS3, HTML, JavaScript, Bootstrap, Angular, Typescript.**
* Implementation of Swagger based **YAML** for generating Jersey client that consumes the REST services
* Integrated business layer using **Hibernate** with Spring DAO.
* Diverse experience utilizing tools in Microservices architecture applications using **Spring Boot, Spring Cloud config, AWS, My SQL, Restful Web Services.**
* Configured Spring based **Microservices** and **SpringBoot.**
* Used Angular JS Factories and Services to make Ajax calls or RESTful Calls to get data in JSON Format.
* Designed and Developed web services using **JAX-WS, SOAP, JAXB,** Apache CXF. Exposing and consuming the web services to the downstream applications using Apache CXF and Apache Camel.
* Used Continuous delivery / Continuous Integration tools Docker, Jenkins to deploy this application to AWS and used **GIT** for Version Control of code for incremental development.
* Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes.
* Developed REST service documentation using Swagger UI and developed test cases using Junit and Mockito framework.
* Build REST web service by building **Node.js** Server in the back-end to handle requests sent from the front-end jQuery Ajax calls.
* Involved in coding the test classes using **Citrus Framework** for Unit testing.
* Implemented SOA architecture with Web Services using **SOAP, WSDL** and**XML.**
* Designed & developed LDAP Authentication & Authorization Service using Java LDAP, and JNDI.
* Involved in designing and developing the web pages using HTML 5, CSS3, JavaScript, Bootstrap, SASS , Node JS, Mongo DB.
* Object storage service Amazon S3 is used to store and retrieve media files such as images.
* Cloud Watch is used to monitor the application and to store the logging information.
* Involved in writing Java API for Amazon Lambda to manage some of the AWS services.

**Environment:** J2EE/J2SE,Java 11, JavaScript, Angular 6, Node.js, Spring Frame Work, Spring Batch, Microservices, Hibernate, JDBC, JMS, Apache Axis 2.0, MongoDB, Cassandra, Tomcat Web server, LDAP, Struts, WSDL, SOA, SOAP, XML, HTML, React JS, RAD 7, Oracle, Sub Version, Confluence, Maven and Windows.

**Blue Cross Blue Shield Massachusetts, Boston, Ma June 2017 - Sep 2018**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Designed and developed Application based **Spring Framework, Spring MVC, Spring Templates, Hibernate**.
* Involved in implementation of enterprise integration with Web Services and Legacy Systems using **SOAP and REST services.**
* Used J2EE design patterns like **DAO and MVC** to enhance the existing **Java/J2EE** based code base.
* Involved in the development of project back-end logic layer by using most of the core java features such as **Collection Framework, Multithreading** environment with **Concurrency** and **ExceptionHandling** programming.
* Designed and developed RESTful **microservices** using **Spring Boot** for the application to seamlessly integrate with supporting sub systems.
* Successfully implemented Servlet Filters for adding **Spring Security** to application to restrict the access to unauthorized users.
* **Test Driven Development**, writing **JUNIT** test cases for the developed methods. Unit, Integration and System testing.
* Design the user experience for Single Page Applications SPA using UI libraries including React Js, jQuery, JavaScript.
* Responsible for designing and developing custom web apps for business users using several modules of **Spring Boot**.
* Implemented Spring Controller layer with dependency wiring, transactions for claims transaction.
* Worked on claims adjudication provides automated claims benefit adjudication for healthcare payers.
* Design, develop, test and implement business applications using Spring, Hibernate, Web methods and **Web Sphere Application Server**.
* Developed Spring JMS message listeners to consume JMS messages from queues and used Spring transaction management to manage the transactions in the application.
* Used Spring **MVC** Framework with **Hibernate** to map to Oracle database and mapping using Hibernate Annotations.
* Involved in setting up the application to run on **AWS** environment on multiple EC2 instances with ELB's using **Jenkins.**
* Created various unit test cases and integration tests for the **DAO**, Service, and Controller components using JUnit.
* Developed **REST** controllers using Spring Data REST to serve the UI with required **JSON** data.
* Implemented Logging framework using **Log4J.**
* Performed performance tuning for Java j2ee applications (Application side and Database side)
* Used **SVN** for version control.

**Environment:** Java 1.8, JDK, Servlets, JSP, Spring 3.2.6, Struts 2.3.16, HTML5, CSS3, Ajax, JavaScript, jQuery, AngularJS, NodeJS, Microservices, JDBC, Bootstrap 2.3x, IntelliJ, Hibernate 4.2.8, JUnit 4.11, RESTful Web Services.

**Webster Bank, CT Oct 2015 – May 2017**

**Role: Java Developer**

**Responsibilities:**

* Participated in all stages of software development Life Cycle which is Requirements Gathering, System Analysis, System Design, Development, Unit Testing Performance testing and Production Support.
* Extensively implemented presentation layer, controller layer, service layer, and DAO layer using Spring and Hibernate frameworks.
* Designed and developed various modules of the application with **J2EE** design architecture, using **Spring MVC** framework, and deployed the spring components on **WebLogic.**
* Involved in the integration of Spring components for implementing Inversion of Control (**IOC**) using Dependency Injection and integration of other spring components like Dispatcher Servlets, Controllers, Model and View Objects.
* Used **Spring MVC** framework for implementing Model-View- Controller (MVC) architecture at the Web tier level to isolate each layer of the application so that complexity of integration will be reduced, and maintenance will be very easy.
* Used Spring AOP for solving crosscutting concerns like keeping logged data and transactions details etc.
* Designed and developed Micro Services business components using **Spring Boot**.
* Developed Restful Micro Services using Spring Rest and MVC.
* Used **Hibernate** ORM framework as persistence engine and wrote Hibernate Queries to automate the mapping between Oracle database and Objects in Java
* Involved in writing **SQL** and Stored Procedures for handling complex queries with help of TOAD and access them through Java Programs from Oracle Database.
* Worked on setting up Maven scripts to build, package, and deploy application code to the target **WebLogic.**
* Used OAuth 2.0 authentication protocol respectively for security and authorization.
* Used micro-framework to implement with **REST API** and **MongoDB** (NO SQL) as back end database.
* Created JSON Data and stored as documents comprising documents, data types and conversions in MongoDB.
* Implemented business logic with **POJO** using multithreading and design patterns.
* Designed Database tables, **SQL**, stored procedures, triggers. Designed mapping between relational database tables and object oriented Java objects using Hibernate.
* Unit testing with **JUnit**.
* Provide support to production deployment team to deploy the application in production environment.

**Environment:** Java 8, JDK 1.8, Spring3, Framework (Core, Context, Security, AOP, ORM, DAO), Hibernate, EJB, Maven, JavaScript, Web services, XML, Eclipse IDE, UNIX, SQL.

**H-Line Soft Information Technology Pvt Ltd, Hyderabad May 2012 – June 2014**

**Role: Java Developer**

**Responsibilities:**

* Involved in Requirement Analysis, Design, Development and Testing of the risk workflow system.
* Involved in the implementation of design using vital phases of the Software development life cycle (SDLC) that includes Development, Testing, Implementation and Maintenance Support.
* Developed front-end screens using **Struts, JSP, HTML, AJAX, JQuery, JavaScript, JSON and CSS**.
* Implemented **XSLT’s** for transformations of the xml’s in the **spring web flow**.
* Developed POJO based programming model using **spring framework**.
* **Used IOC (Inversion of Control) Pattern and Dependency Injection** of **Spring framework** for wiring and managing business objects.
* Used **Hibernate framework** for Entity Relational Mapping.
* Used **Web Services** to connect to mainframe for the validation of the data.
* **SOAP** has been used as a protocol to send request and response in the form of XML messages.
* **WSDL** has been used to expose the Web Services.
* Developed stored procedures, Triggers and functions to process the data using PL/SQL and mapped it to Hibernate Configuration File and also established data integrity among all tables.
* Involved in the up gradation of **WebSphere and SQL Servers**.
* Participated in **Code Reviews of other modules, documents, test cases**.
* Performed **unit testing** using **JUnit** and performance and volume testing.
* Implemented **UNIX Shell** to deploy the application.
* Used **MYSQL** database for data persistence.

**Environment:** Java/J2EE, JSP, JDBC, EJB, Struts, XML, HTML, Java Mail, Eclipse, Java Script, Ant, SQL, TOAD, Oracle, WebLogic, Windows.

**Education**

Masters – University of Bridgeport, CT.