**Saranya S**

**Senior Java Fullstack Developer**

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**Summary :**

* Around 8+ years of professional experience in developing web applications using J2EE technologies like Java, RESTful services, Servlets, JSP, JDBC, Java Script, spring, Spring Batch, Hibernate, XML, JSON, UNIX shell scripting, Web services.
* Well versed in using Software Development Life Cycle (SDLC) methodologies based on **Agile**, **Scrum**, **Waterfall Model**, Iteration in developing web applications using Java and J2EE.
* Hands on experience in Core Java concepts such as Exception handling, Collections, Garbage Collection, IO, Multi-Threading, Design Patterns, Latest Java features, Serialization.
* Experience in Use Cases, Sequence Diagrams and Class Diagrams using UML, J2EE Design Patterns.
* Expertise in implementing Service Oriented Architectures (SOA) with XML **(SOAP/UDDI/WSDL)** and **REST** based Web Services.
* Proficient in implementation of frameworks like Struts, Spring (**Spring MVC**, **Spring Web Flow, Spring IOC, Spring AOP, Spring Security, Spring Boot, Spring Data, Spring Batch, Spring TX**), JSF, **AJAX frameworks** (Rich Faces, MyFaces) and ORM frameworks like Hibernate, IBATIS.
* Designed and developed RESTful Web Services using Spring Boot.
* Defined the Service Layer DAO's which interact with Hibernate DAO, JMS services and external web services. Developed Hibernate persistence layer modules using Java Persistence API (JPA).
* Expertise in **XML suite** such as XSL, XSLT, XML schemas, XPath, XForms, XSL-FO and parsers like SAX, DOM.
* Strong experience in Securing API's using OAuth2.0 token-based authentication/authorization scheme using Spring Security.
* Strong web development skills using **HTML/HTML5**, **CSS/CSS3**, **JavaScript (ES5 & ES6)**, jQuery, Bootstrap, **Angular**, **React JS**, Node JS, Require JS, XML, AJAX, JSON which meets W3C Web Standards.
* Experience in database development and implementation using different RDBMS such as Microsoft SQL Server, ORACLE, MySQL, PostgreSQL and DB2 and NoSQL databases such as **MongoDB, Cassandra**.
* Extensively worked with Oracle database, created and worked with various database objects like Packages, Stored Procedures, Functions, Triggers, external tables, Materialized Views etc.
* Experience in JMS over messaging to exchange the information in more reliable and asynchronous way in enterprise Applications. Used **Apache Active MQ, Rabbit MQ, AMQP as JMS provider.**
* Strong Experience in **Maven** for build**, Jenkins** and **SonarQube** continuous integration.
* Experienced in writing unit test cases using Junit, Testing, Mockito and Wrote JUnit Test Cases for challenging environments.
* Expertise in different test-driven development frameworks like TDD and BDD using **cucumber, Selenium and protractor**.
* Worked on various testing frameworks for front end/user interface like **Karma, Jasmine, Jest, Mocha, Chai** etc.
* Experience in using build/deploy tools such as **Jenkins**, **Docker** and **AWS** for Continuous Integration & Deployment for Microservices.
* Good experience on working with **Amazon Web Services** like EC2, S3, Amazon Simple DB, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, AWS Identity and access management, AWS Cloud Watch, Amazon EBS and Amazon Cloud Front.
* Experience in installing, configuring, tuning **Web Logic Server**, **Apache Tomcat**, **JBoss**.
* Created JSON request and validated the response using **Postman Interceptor** and **Swagger UI**.
* Used Log4j for logging and tracing the messages.
* Extensively worked on **Pivotal Tracker** and **JIRA** tools for tracking stories in a Project in a different methodology of Software Development Life Cycle.
* Possessing good interpersonal skills which were applied in coordinating with development team, QA team and support team as required.
* Have the motivation to take independent responsibility as well as ability to contribute and be a productive team member.

**Technical Skills:**

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| **Languages** | C, C++, Core Java, Java/J2EE, SQL, PL/SQL |
| **J2SE / J2EE Technologies** | JSP, JDBC, Servlets, JSTL,EJB, JPA, JAX-RPC, RMI, JMS, Java Beans, Rest, SOAP, JUnit, AWT, Swing. |
| **Scripting Language** | JAVA Script, JQuery |
| **Web Technologies** | HTML, CSS, JavaScript, AJAX |
| **Frameworks** | Spring, Spring Boot, Struts, Log4J, Angular JS, Angular, Hibernate. |
| **Web/App Servers** | Apache Tomcat, IBM WebSphere, Web Logic, J2EE, and JBoss. |
| **Version Control Tools** | GIT, CVS, SVN, TFS |
| **IDE / Tools** | Eclipse, My Eclipse, NetBeans, IntelliJ, SQL Developer, Visual Studio. |
| **Databases** | Oracle, MySQL, MS SQL Server, ODBC, PL/SQL, Mongo DB |
| **Build Tools** | Gradle, Jenkins, ANT, Maven, Docker |
| **Web Service**  **Technologies** | SOAP, JAX-B, JAX-RPC, JAXP (DOM, SAX), WSDL, JAX-WS, REST, WADL, JAX-RS |
| **Operating Systems** | Windows, UNIX, LINUX(Ubuntu, Red Hat), Solaris, Windows Server |
| **Methodologies** | Agile and Waterfall |

**Proffesional Summary :**

**Sr. Full Stack Java Developer | Mayo Clinic | Rochester MN| June 2019 – till date**

**Description:**

Mayo Clinic collaborates with biopharma, diagnostic, and other biotech companies to enable precision medicine through advanced diagnostics. Guided by the physicians and scientists at Mayo Clinic, we provide laboratory testing, test development, and sponsored testing services along with analytical validation, biospecimen and data access, biobanking services, and other diagnostic capabilities.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycles (SDLC) like **Design, Development and testing phases, and developed Use Case diagrams, Class diagrams, and Sequence diagrams.**
* Developed the UI using **Angular 7, Bootstrap, TypeScrip**t, for interactive cross browser functionality and complex user interface.
* Developed powerful Single Page Application and dynamic responsive Web Application with Angular 7.
* Worked with **Angular 7 Controllers**, Directives, Services, Pipes, Guards, **Angular Routing**.
* Designed and developed the **RESTful web services** using the **JAX-RS API** to communicate over the network.
* Addressing heavy traffic situation and migrating user-specific data off service instances and into a shared by using Microservices.
* All the functionalities are implemented using **Spring IO / Spring Boot and Spring JDBC**.
* Designed **REST and SOAP services.**
* Implemented Java EE components using **Spring MVC, Spring IOC, Spring transactions and Spring security modules.**
* Worked on Swagger API and auto-generated documentation for all REST calls.
* Implemented persistence layer using **Spring JDBC** template to store data in Oracle database.
* Involved in maintaining and updating the procedure for **ETL process**.
* Used Oracle as database and Involved in development of PL/SQL backend implementation and using SQL created Select, Update and Delete statements.
* Involved in writing complex SQL queries using correlated subqueries, joins, and recursive queries, PL/SQL stored procedures.
* Changing **AWS infrastructure Elastic Beanstalk to Docker with Kubernetes.**
* Moving existing monolithic architecture to microservices and migrating them to AWS cloud.
* Experienced in writing real-time processing and core jobs using Spark Streaming with Kafka as a data pipe-line system.
* Implemented Spring boot microservices to process the messages into the **Kafka** cluster setup.
* Developed **Mockito** and JUnit test cases to improve code coverage.
* Implemented unit tests for testing Angular components with frameworks using **Karma** and **Jasmine.**
* Created JSON request and validated response using **Postman Interceptor** and **Swagger UI.**
* Setup CI/CD pipeline process for the application using the **Jenkins**.
* **Apache Maven tool** has been used for the build and deployment of the application.
* Monitored the Error logs using **Log4j** and fixed the problems.
* Involved in understanding SDLC using **Agile** methodology.

**Environment:** Java 8.0, Spring 4, Hibernate 4.2, Spring batch, Spring Boot, JPA, JMS, Angular 7, HTML5, CSS3, Eclipse, Oracle 10g, Swagger UI, Log4j, JIRA, Pure XML, Web Services, Kafka, Microservices, REST UI.

**Java Developer | Homesite insurance | Boston,MA | Sep 2017 – May 2019**

**Description:**

Developing a microservices based online portal to make it quick and easy for policyholders to pay bills, make policy adjustments, view policy documents, and take care of other account management tasks. The monolithic architecture is being re-developed with Java 8, Spring Boot and AWS cloud platform for optimized performance of the site. Site offers an extensive range of insurance policies based upon the information provided by the policyholder regarding the type of property after authorized login. All the products are lined up beautifully on the UI along with "start a quote" option which needs some information to get a detailed quote of the insurance price. HUM is the "Partner of Choice" in the program space and is able to provide quality capacity, product expertise, and operational excellence to its valued partners**.**

**Responsibilities:**

* Involved in Requirements gathering, Analysis, Design, Development and Testing of application using AGILE methodology **(SCRUM)** in a test-driven development (TDD) approach.
* Implemented Microservices into existing system architecture. Developed Microservices business components and RESTful service endpoints using Spring Boot.
* Developed multiple enterprise applications using **Spring Boot, Hibernate framework, Spring IOC, Spring MVC, Spring JDBC, Spring Annotations, Spring AOP, Spring Integration, frameworks, RESTful webservices.**
* Implemented authentication and authorization for the application using Spring Security and Oauth2.
* Worked on **Java 8 Lambda** expressions and Pipelines, Streams.
* Implemented Spring IOC for Dependency Injection and to make the code loosely coupled and Spring AOP for logging purposes.
* Developed and designed the web interface using **HTML5, CSS3, JavaScript, JQuery, React JSand Bootstrap.**
* Worked in using **React JS** components, Forms, Events, Keys, Router, Animations and Flux concept.
* Used React JS in development of the web application to bind the data/model that is being retrieved from a database through services provided in a controller to the view using scope.
* Implemented HTTP requests using **RxJS Observable library** to handle multiple values over time.
* Developed prototype and project layout skeletons using **React JS**, jQuery, HTML5, and CSS3.
* Used various jQuery and Bootstrap plug-in like date picker, Bootstrap selectors.
* Implemented SOAP based **JAX-WS Web services** interfaces for integrating multiple systems, code re-usability and consumed JMeter to test performance of SOAP protocol.
* Implemented RESTful web services which produces both XML and JSON files to perform tasks, RESTful web service using Jersey for JAX-RS implementation, which leveraged both web & mobile applications.
* Worked on creating, retrieving, updating and deleting documents in **MongoDB**.
* Configured JMS server setup, DB connection setup & deployed Returned items **in Web Sphere Server**.
* Setup the Continuous Integration (CI) & Continuous Development (CD) for application using Jenkins.
* Worked on Jenkins for continuous integration with Gradle and GitHub.
* Used Log4j for validate functionalities and JUnit for unit testing.
* Implemented configured **JIRA** issue tracking software with Agile plug-in across all company functions.
* Used **IntelliJ IDEA IDE** tool for application development.
* Worked on Jenkins and Docker for CI / CD of microservices developed and managing them.
* Used **AWS SNS** for fully managed messaging queue which decouples and scale micro services, distributed systems and serverless applications.
* Worked on **AWS Database Migration Service** for transferring the on-premises server to Cloud.
* Expertise in Executing the **AWS Lambda functions** to run the code to perform daily routine activities.
* Used **Amazon API Gateway** to build, deploy and managing API calls from external web services.

**Environment:** Java 1.8, J2EE, HTML5, CSS3, JavaScript, jQuery, React JS, TypeScript, Bootstrap, Spring Boot, Spring IOC, Spring MVC, Log4j, SOAP, RESTful, Microservice Architecture, XML, AWS, Mongo DB, CI/CD, Maven, IntelliJ IDE, JUnit, JMS, UNIX, Jenkins, JIRA, Log4j, Git.

**Java Developer | Intuit| Sunny Vale, CA| Dec 2016 – Aug 2017**

**Responsibilities:**

* Provided technical guidance to business analysts, gather the requirements and convert them into technical specifications/artifacts.
* Configured spring to manage Actions as beans and set their dependencies in a context file and integrated middle tier with Hibernate.
* Implemented **Spring MVC architecture** and increased modularity by allowing the separation of cross-cutting concerns using **Spring AOP**.
* Deployed flow of Execution in the Servlet Environment using Spring MVC and defined Navigation Rules.
* Used **Spring Security** for Authentication and authorization.
* Used Spring Core for dependency **injection/Inversion of control** (IOC).
* Used **Hibernate Framework** for persistence onto Oracle database.
* Wrote JavaScript validations to validate the fields of the user registration screen and login screen.
* Designed a network of web pages, where the user progresses through an application by selecting links, resulting in the next page being transferred to the user and rendered for their use using REST.
* Designed and Developed UI using **Angular.JS, HTML, CSS, Bootstrap, JavaScript and JQuery.**
* Utilized Angular.JS framework to bind HTML template (views) to JavaScript object (models).
* Created Custom Directives in Angular.JS, making use of Modules and Filters objects according to the application requirement.
* Developed views using **Bootstrap** components, **Angular-UI** and involved in configuring routing for various modules using angular UI router.
* Developed high-performance web applications using spring and XML Http Request.
* Configured JDBC in the application server.
* Extensively worked on writing complex **PL/SQL** Queries using joins, stored procedures, Functions, Triggers, Views, Cursors, MaterializedViews, dB links, External views, indexes in Oracle DB&SQL tuning to reduce time in the application.
* Involved in debugging the product using **Eclipse** and **JIRA Bug Tracking**.
* Converted and automated builds using **Maven** and **Make**. Scheduled automated nightly builds using Jenkins.
* Test automation for web application using **Cucumber.**
* Configured and used WebLogic content management to display content in view components.

**Environment:** Java, JEE, Servlets, JMS, Hibernate, Spring, Web services, REST, UML, HTML, Bootstrap, JavaScript, jQuery, Maven, Make, PL/SQL, Bootstrap, Angular Js, Spring Security, Spring Data , Microservices, REST, Hibernate, Oracle, XML, XSD, Log4j, Oracle, PL/SQL, JUnit, AJAX, Jenkins, CSS, JSP, JNDI, JIRA, Cucumber.

**Java Developer | Intermountain Healthcare | Salt Lake City, UT| July 2015 – Nov 2016**

**Responsibilities:**

* Used Spring framework MVC in development of new modules based on requirements.
* Utilized various utilities **like JSP, JSTL, JavaScript, HTML, & CSS, jQuery.**
* Refactored existing project to make it more RESTful and thread safe.
* Involved in the creation of dynamic web pages with the use of **JSP** and **HTML**.
* Configured and set up Java Workspace which included setting up server and theme installation and configuration. Became familiar with using and navigating through Java Workspace (Eclipse).
* Debugged Java classes used to modify web pages such as Business Objects and Data Access Objects.
* Implemented **JDBC** to perform the database calls from the Java layer.
* Used JDBC to persist Java Objects into the database.
* For XML marshalling and unmarshalling used **JAXB**. Worked with databases like Oracle.
* Tested many components of web application and documented my observations.
* Used Servlets as an interface between frontend and backend to handle HTTP requests and to send the response back to the front end.
* Participated in analysing the requirements and depicted them through use cases and scenarios.
* Participated in unit testing, integration testing and installation of the system.
* Contributed to the decision making of the software and hardware requirements and tool evaluations.
* Implemented logging for the whole application using **Log4j.**
* Involved in daily scrum meetings, worked on the sprint tasks in the **Agile Scrum** development.

**Environment:** Core Java, J2EE, HTML, CSS, JSP, JDBC, JSP, JavaScript, jQuery, XML, JSON, Servlets, Spring Framework, PL/SQL, Hibernate, Oracle, JAXB, RESTful, Log4j.

**Java Developer | Tulasi Technologies | Banglore, India| May 2012 – June 2015**

**Responsibilities:**

* Worked with clients to gather requirements and developed the application as per their needs and requirements.
* Experience in working with **Waterfall methodology**.
* Developed business modules with **JSP, Servlets**, and Execution Service framework, which are based on **Struts**.
* Involved in meetings and discussions with Business Architects to understand the system requirements and solution approach.
* Worked closely with cross-functional teams (QA, BA, PM, Product Owner).
* Integrated the Java code **(API)** in JSP Pages.
* Used **jQuery** core library functions for the logical implementation part at client side for all the application.
* Designed and developed comprehensive J2EE application framework for online marketplace. Framework included **Enterprise Java Beans (EJB), Servlets, JSPs, Request Processors, Data Access Objects, and Message Queues (JMS).**
* Developed JSPs to implement the presentation logic and use javabeans to retrieve the data.
* Involved in writing SQL and **PL/SQL** queries for writing stored procedures.
* Responsible for system development using **Factory, DAO and MVC** Design Patterns.
* Used Subversion for software version control.
* Created test plans and Junit test cases and test suite for testing the application.
* Debug the application using Firebug to traverse the documents and manipulated the Nodes using DOM.
* Involved in 24x7 support, Maintenance and enhancement of application.

**Environment:** Java, J2EE, Servlets, JSP, JDBC, JavaScript, Oracle, Eclipse, IBM Clear Case, JIRA, Unix/Windows, WebSphere.

**Education :**

**Bachelor of Technology in Computer & Sciences April 2012**

Jawaharlal Nehru Technological University, Kakinada