**Name: Saroja B**

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**Professional Summary:**

* 4 years of experience in Object Oriented Analysis, Design, Development, Testing, Implementation and Post Implementation Support in all phases of **Java/ J2EE** applications. Well versed in both Server-side and Client-side programming.
* Experience in working in conditions utilizing **Agile** (**SCRUM**), Waterfall and **Test-Driven Development (TDD)** advancement approaches.
* Experience in working with **AWS** (Amazon Web Services), **EC2, RDS, Dynamo DB, S3, Cloud Formation Templates.**
* Proficient in using Amazon Web Services (**AWS**). Extensive experience focusing on services like **EC2, Elastic Beanstalk, CloudWatch, CloudFront, Cloud Formation, IAM, S3, RDS, Elastic cache, SNS, SQS, AMI**.
* Expertise in designing, developing, and deploying applications using **J2EE** technologies including **Servlets, JSP**, **EJB**, **JSTL**, **Struts**, **Spring**, **Spring** **Boot**, **JSF, JMS, AJAX, JDBC, JNDI, GWT Java Beans, Hibernate,**and **Web Services.**
* Designed and developed J2EE **MVC** applications using **Struts**, **Spring MVC,**and **Spring Boot.**
* Proficient in **UI**design, developed Front End using **JSP, HTML5, CSS3, JavaScript, Ajax, jQuery, AngularJS, Angular 2+, Typescripts, NodeJS, ReactJS** and have knowledge of**BackboneJS.**
* Experienced in writing **SQL** queries, Procedures, Functions, Triggers, and good knowledge of Relational databases (**Oracle**, **MySQL**, **Microsoft** **SQL Server**, **PostgreSQL**, and **DB2**) and **NoSQL** (**MongoDB**, **Cassandra**).
* Extensively used Design Patterns **DAO, DTO, Singleton, MVC**.
* Experienced in testing **REST** web services using **Postman**, **SoapUI,** and **Swagger UI**.
* Experience in achieving Test-Driven Development (**TTD**) goals using **JUnit**, **Mockito,** **Easy** **mock**, **Test** **NG** and **Spock**.
* Strong knowledge on JavaScript Unit testing **with Jasmin, Karma, Protractor for Angular JS, Mocha and Chai React JS and Cucumber, Citrus** for web services automation.
* Profound learning on **ANT,** **Maven** and **Gradle** as fabricate content for application assemble and arrangement.
* Expertise in using servers like **Apache Tomcat**, **JBoss**, **IBM** **WebSphere** and **WebLogic** to configure and deploy applications.
* Hands-on experience in Core Java with **Multithreading, Concurrency, File Handling I/O, Generics, Data Structures and Collections, Garbage Collection**.
* Experience with the DevOps environment with Continuous Integration / Continuous Deployment **(CI/CD)** is strongly desired. Experience with **Bit Bucket, and Jenkins.**
* Experience in real-time monitoring and alerting the applications deployed in AWS using Cloud Watch, Cloud Trail and Simple Notification Service to maximize resource allocations.
* Experience in building web applications using **Spring Framework** features like **Spring Core, IOC (Inversion of Control),** Spring Dependency Injection, Spring ORM, Hibernate**,** MVC (Model View Controller),Boot, Security, Spring Web Flow DAO (Data Access Object) and familiarity with AOP (Aspect Oriented Programming).
* Great knowledge in Java architecture and developing the applications using **Java/J2EE** Design Patterns such as **MVC**, Singleton, Factory, Transfer Objects, Front Controller and **Data Access Objects (DAO).**
* Exposure on cloud service related databases like **PostgreSQL and MongoDB.**
* Extensive experience in using **ANT,Maven, Gradle** for build automation.
* Expertise in using version control and configuration management tools like **CVS and SVN, GIT.**
* Hands on experience with Unified Modeling Language (UML) and used it for developing various UML design diagrams like Use Cases, Class Diagrams, Sequence Diagrams and Component Models for the project requirement/ design specifications using Rational Rose and **IBM Rational Software Architect (RSA).**
* Good experience with various Web/ Application Servers like IBM WebSphere, BEA WebLogic, **JBOSS** and **Apache Tomcat.**

**Professional Experience:**

**Client: HSBC , INDIA Feb 2018- Dec 2019**

**Roles & responsibilities**

* Implemented **Agile** (**Scrum**) Methodology that includes daily scrum meeting with the team, sprint planning and estimating the tasks for the user stories.
* Involved in analyzing **microservices** architecture challenges, design analysis, development of the user stories, assigning tasks, testing the application.
* Implemented microservices using **Spring Boot**, spring-based microservices, and enabled discovery using the server.
* Involved in creating and Deployment of RESTAPI and **Micro** **Services** in Java **J2EE** using **Spring Boot**.
* Developed service components which are exposed as Web Services using **RESTful** Web Services, developed service components to consume Web Services.
* Created **Restful** Web service for updating customer data from sent from external systems.
* Implemented **Java 8** features like Collections, lambda expressions, parallel streams, and functional interfaces.
* Used **Spring** framework for the **MVC** implementation with **spring** for **Dependency Injection** and **Hibernate** as an **ORM** tool for database communication.
* Writing several complex SQL queries and Stored Procedures using **Hibernate** as the **ORM** Framework to interact with Oracle Database and perform transactions.
* Developed Angular services to make **Restful API** calls using Http and resource services to post and get data in **JSON** format.
* Used **Spring Cloud** Config server to load the properties dynamically, Spring Eureka service registration and discovery client for maintaining instances and use a ribbon load balancer to balance the load between multiple instances of the same service.
* Developing **RESTful** web services using **Node JS** and **Express JS** and used **Node JS** server to interact with the Rest services and database hosted on multiple load-balanced cloud instances.
* Good knowledge of providing authentication and authorization for web services using **OIDC** **(Open ID Connect)** on top of **OAuth 2.0**.
* Involved in designing User Interface (UI) applications and professional web applications using **JavaScript**, **Angular 5**, **Bootstrap**, **jQuery**, **HTML**, **CSS**, **DOM**, **XHTML**, **JSON** and **AJAX**, **Angular JS**.
* Developed applications in Java-based UI within **Angular 5** framework and **Node.js**, integrated with **TypeScript.**
* Built different modules, controllers, templates, custom filters, and directives in **Angular 5**.
* Implemented different validation control on the webpages using **Angular 5** and developing a cross-platform application.
* Wrote SQL statements to store and retrieve data from Oracle and used **Oracle, JDBC** for database connectivity.

**Environment**: JAVA/J2EE, Microservices, Spring Boot, NodeJS, RESTful, Hibernate, JSON, Spring Cloud, OAuth2.0, Angular, HTML, CSS, JS, Bootstrap, SQL DB, Oracle, Apache Kafka, Junit, Mockito, Cucumber, Protractor, Jenkins, AWS, Git, SonarQube, Maven, Log4j.

**Client: HSBC , INDIA Mar 2016 –Jan 2018**

**Roles and Responsibilities:**

* Developed and Enhanced application using **Java and Java EE (Servlets, JSP, JDBC, JNDI, EJB), Web Services (Rest Apache- Axis), HTML, JavaScript, Angular JS, AJAX, JSON, CSS, XML, XSD, Maven, Log4J, IBM WebSphere RAD and Oracle.**
* Project developed using agile software development methodology.
* Designed and developed **web-based** software using Spring **MVC Framework and Spring Core**.
* Worked on **Hibernate ORM**. Created Hibernate XML files and Java class files to map the object relation mappings.
* Designed and developed views using **Angular JS** **models, controllers, services, and filters.**
* Developed **Junit test cases** to validate the **REST** services.
* Developed web applications using Spring **MVC, jQuery, HTML, Bootstrap**.
* Develop the business logic using **Java, JDBC** and **Deploy on Tomcat server**.
* Built web-based maintenance application to maintain complex specification documents.
* Used Spring **MVC** as the Web Services framework to implement the **REST APIs** involved. Made Single page module with use of **Angular JS framework**. Implemented the **business** logic using **JSP, JSTL, Java Beans and service classes.**
* Deployed applications on **AWS by using Elastic Beanstalk**.
* Good experience in using tools such as **TOAD** and **SQL Developer** for database development and interaction.
* Very good experience in **JDBC**, used to access the data stored in different databases. Created **PL/SQL procedures, functions and written complex SQL queries.**
* Worked on providing authorization and authentication to applications using Spring security and protected the application against attacks like session **fixation and click jacking**
* Involved in the development of presentation layer and **GUI framework** **using CSS3 and HTML**.
* Designed Court Services front end view using **Spring MVC and Spring Web flow**.
* Parsed the **XML** based responses using **JAXB Parser** and validated **XML** against the schema generated by the court systems.
* Multithreading and Caching were used to improve user experience.
* Used Spring Dependency Injection properties to provide loose coupling between layers

**TechnologyStack:** Java, Spring, J2EE, HTML, Hibernate, JSP, Servlets, AngularJS, NodeJS, JSTL, AJAX, jQuery, Oracle, Eclipse, ANT, ClearCase, ClearQuest, Build forge, J2EE, Oracle, IBM WebSphere, XML 1.x, JAXB 2.x, XSLT 1.x, Log4j, JUnit, SOAP 1.3, JAX-RS, JAX-WS, and Web Services, Jersey.

**Client: Techno Soft ,INDIA Jan 2015-Feb2016**

**Roles and Responsibilities:**

* Installed, Configured, administered, executed and supported WebSphere Application Servers **9,8.0/8.5/9 and Liberty on Linux and Windows and Extensively involved in upgrade project for WAS 8.5.5 and 9**.
* Created internal repositories for installing WebSphere over the network and created various install packages using Packaging utility and **Installation Manager**.
* Installed configured and supported Jboss on Linux environment for Mobile banking applications.
* Installed Fix packs, Interim fixes and **Cumulative fixes for WebSphere Application Server, BPM and ODM.**
* Supported WebSphere Extended Deployment manager XD 6.0.2/6.1 and **WebSphere Virtual Enterprise 7.0**
* Created dynamic clustering using **WebSphere Virtual Enterprise 9**.
* Installed, Configured and administered WebSphere MQ on and Windows NT/2000 platforms.
* Setup WebSphere MQ clusters for load balancing the messages and high availability of the queues.
* Sound knowledge in Configuring **JMS** using **WebSphere MQ.**
* Created build definition file to generate customized installation package for WebSphere XD.
* Configured and setup Secure Sockets Layers SSL for data encryption and **client authentication one-way, two-way SSL and Mutual SSL**
* Generated and configured keys in **IBM Http Server and Plug-in.**
* Provided 24x7 on-call support on a rotational basis during the weekend and at night.

**TechnologyStack:** Java, IBM WebSphere Application Server, Liberty, Linux, Apache, JMS, MQ, SSL BPM.

**EDUCATION**

**UNIVERSITY OF CENTRAL MISSOURI (UCM), MISSOURI, MO**

Master of Science, Computer Science, May 2021 (GPA: 3.50/4.0)

Relevant Courses – Advanced Database, Artificial Intelligence, Data Mining, Introduction to Machine Learning, Advance Operating Systems, Compiler Design, Introduction to Cloud, Advance Applications in Java, Advance Algorithms.

**SCIENT INSTITUTE OF TECHNOLOGY, HYDERABAD, INDIA**

Bachelor of Technology, Information Technology, June 2015

U.S. GPA Equivalent: 3.78/4.0