lakshmi G

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• Around 6 years of experience in Software Development Life Cycle (SDLC) and Software Engineering including requirement gathering, analyzing, designing, implementing, testing, support, and maintenance of client-server applications.

• Expertise in building web and enterprise applications in domains including Healthcare, Insurance and Telecommunications.

• Expertise in implementing Web Services based on Service Oriented Architecture (SOA) using SOAP, Restful Web Services.

• Strong in Java/J2EE design patterns and other object-oriented concepts (OOPS) and worked on Java6/8 versions.

• Developed ANT Scripts and used MAVEN tool to build and deploy J2EE Applications.  • Designed and developed multiple J2EE Model 2 MVC based Web Application using J2EE Technologies and popular open-source framework Struts Framework, Spring MVC, Spring Framework, Spring Boot, Hibernate ORM Framework.

• Creating Rich UI applications using Angular 2/4/6 integrating with REST API's built on Microservices.  • Experience in the developing professional web applications using HTML5, CSS3, JavaScript, reactjs, jQuery, Bootstrap, AJAX, JSON, XHTML, XML and Node.js.

• Experience in Server-side messaging using camel and JMS and development experience at server side using technologies EJB, Web Services, XML, Oracle, and MySQL Server.

• Hands on experience in developing Single Page Applications (SPA) using AngularJS.  • Expert knowledge of JavaScript frameworks such as Angularjs, Media Query and libraries like BackboneJS.

• Experienced in developing persistence layer using O/R Mapping tool like JPA, Hibernate, Spring-JPA and MyBatis.

• Working on creating a distributed network by hosting the application on AWS cloud, Amazon (ECS, EC2, ECR, Lambda, VPC, and S3) servers.

• Installed, Configured and Managed Docker Containers, Docker Images for Web Servers and Applications servers such as ApacheTomcat using Docker and integrated with Amazon MySQL RDS database.

• Experience in working with automation tools like selenium and continuous integration tool Jenkins.  • Experience in Configuration and deployment of multi-tier applications using servers like WebSphere, WebLogic, and Tomcat.

• Handled all the port mapping/binding things that happen with Dockers and Containers.  • Solid Hands-on experience in end to end implementation of CI and CD (Continuous Delivery), DevOps processes using AWS Code Commit.

• Experience in Enterprise Integration Development tools like MuleESB, Spring Integration, JMS, WebServices, Apache Kafka and Apache Camel.

• Actively participated in daily scrum meetings, sprint planning sessions, sprint reviews, and retrospectives.

• Experience with Test Driven Development (TDD), paired programming and refactoring code.  • Strong independent learning ability, team player, easily adaptable to different development environments, collaborative, highly motivated and dedicated to delivering quality software.

Work Experience

**Full Stack Developer (Java)**

Hexaware/ Freddie mac - Argyle, TX

January 2021 to Present

Responsibilities:

• Designs, enhancements, updates, and programming changes for portions and sub-systems, including operating systems, compliers, databases, and Internet-related tools.

• Analyzes design and determines coding, programming, and integration activities based on general objectives and overall architecture of product or solution using Java 11.

• Reduced the null pointer dereferences in all the files other than the test files to ensure the defects are reduced in the Coverity scans.

• Designed and developed RESTful web services that support JSON for other developers to access to speed up development using Spring MVC , Spring Boot , SwaggerAPI, WebServices, JSON, Log4j, MySQL and Maven.

• Develop UI component architecture for developer framework using Angular8, Typescript, HTML5, CSS3 and Bootstrap.

• Worked simultaneously in both production and development teams and took part in designing and developing dynamic web pages using HTML5, CSS3, Bootstrap, SASS, JavaScript, jQuery, Angular 8 for single page applications.

• Converted a monolithic app to microservices architecture using Spring Boot using 12-factor app methodology.

• Designed and developed asynchronous RESTful Microservices using Spring boot, Couchbase and RXJava.

• Consumed RESTFUL web services using Angular HTTP Module and transformed the response using RXJS operators.

• Build and configure a virtual data center in the Amazon Web Services (AWS) cloud to support Enterprise Data, Virtual Private Cloud (VPC), Public and Private Subnets, Elastic Load Balancer. • Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups • Set up and get the selenium up and running for UI pages and also integrate these selenium tests, so that the tests are run automatically.

• Expertise in core data structures as well as algorithms and implement them using Java programming languages.

• Worked on the JSON validation for the case submission on the client side to validate all the required fields in the postgresql database.

• Implemented server-side validations and developed model classes.

• Configured Kafka to read and write messages from external programs and also to handle real-time data. • Design, perform POC where needed and develop enterprise's Apache Kafka Distributed Messaging and Integration Ecosystem.

• Written test cases and performed unit testing using Junit.

• Used Log4J for logging, debugging, monitoring the error logs and fixed the related problems. • Worked in a CI/CD environment with Jenkins, Maven, AWS and Terraform.

• Created and modified Stored Procedures, Functions and Triggers Complex SQL Commands for the application using PL/SQL

• Experience working in agile development following SCRUM process, sprint, and daily standup meetings.

Environment: Java 11, AWS, Angular 8, JavaScript, HTML, CSS5, Kafka, SpringBoot, Spring Batch, Microservices, NoSQL, PostgreSQL, CouchBase, MongoBD, Cassandra, Jenkins, Maven, Terraform, Docker, Kubernetes, Selenium, Junit.

**Java Developer**

Tenet Healthcare - Dallas, TX

August 2018 to December 2020

Responsibilities:

• Responsible for Design, build, test and maintain scalable and stable off the shelf applications or custom built technology solutions to meet business needs.

• Contributed to entire implementation process for new applications and enhancements to existing applications.

• Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular 6.

• Involved in writing the front-end code for the application using reactjs.

• Implemented the presentation layer (GUI), based on open source framework, involving Servlets, JSP, JSTL, JSF, CSS3, HTML5, JavaScript and GWT.

• Used jQuery, Angular JS, and Node JS to develop the rich user interface and to invoke RESTful Web Services to perform various operations.

• Used Maven for developing build scripts and deploying the application into WebLogic. • Performed backend operations using Hibernate and native SQL on various databases. • Developed single page applications using Angular 4/6, Typescript, HTML5, CSS3, and Bootstrap. • Developed user specific Highlights (dashboard menu) section, Home Page, Admin home page, user module using Spring framework, MyBatis, Hibernate ORM module, Spring Core Module, XML, JSP, and XSLT.

• Worked on Web Services using Java SE11 API for XML, JSON Services (JAX\_RS) and worked on the build, deploying RESTful web services.

• Developed stored procedures and triggers using PL/SQL to calculate and update the tables to implement business logic using Oracle database.

• Used Kafka messaging system to consume and publish message.

• Deployed containers and Microservices in AWS using EC2 Container Services. Designed, configured and deployed Amazon Web Services (AWS) for a multitude of applications utilizing the Amazon cloud formation.

• Implemented the Account Management microservice that used Spring Data to implement a JPA and Spring Rest to provide a Restful Interface based on Spring Boot application.

• Controlled and automated application deployments and updates using Kubernetes. • Worked with modules like MongoDB and mongoose for database persistence using Node JS to interact with MongoDB.

• Deploy and configure SQLServer test database with test data.

• Used several Ansible modules which include scripting (bash, command), cloud modules. • Conduct rootcause analysis and complex performance tuning; develop test automation framework utilizing Selenium, Typescript, and Protractor.

• Build the application using Maven and used Jenkins for continuous integration. • Followed AGILE Methodology with SCRUM Meetings and involved in maintaining Sprint backlogs during the development cycles.

Environment: Java 8, REST, Spring, AWS, AWS lambda, Struts, JSF, EJB, jQuery, AJAX, JAX-RS, Bootstrap, HTML, CSS3, AngularJs, JSON, IBM Websphere Application Server 7.x, Spring Boot, Kafka, Docker, Kubernetes, Angular4/6, SQL Server, MongoDB, Selenium, JSP, JIRA, Jenkins, Microservices, Agile, Git, and Junit.

**Java Developer**

Rackspace - San Antonio, TX

February 2017 to July 2018

Responsibilities:

• Involved in software development life cycle (SDLC), which includes requirement-gathering, design, coding, testing.

• Developed Project Specific Java API's for the new requirements with the Effective usage of Data Structures, Algorithms, and Core Java, OOPS concepts.

• Developed web service for web store components using RESTful API using Java & Spring. • Developing web-based applications using CSS, HTML, JavaScript, reactjs, jQuery, UML. • Experience in Object Oriented design, Systems Analysis, Software &Web Application development. • Developed business modules using Hibernate & Spring framework technologies. • Responsible for analysis, design, development, and integration of backend components using J2EE technologies such as Spring and Spring JDBC and EJB's.

• Developed Project Specific Java API's for the new requirements with the Effective usage of Data Structures, Algorithms, and Core Java, OOPS concepts.

• Developed web service for web store components using RESTful API.

• Used XML, XSD and JSON messages for Data transfer, and JMS for communication between the applications and MQ for communicating with the third party applications.

• Implemented Business logic in the middle-tier using Java classes, Java beans. • Created and modified Complex SQL Commands.

• Database designing and tables, master data creation in the database.

• Good in writing build files with ANT, Maven.

• Used Sonar for maintaining the code quality and JUnit code coverage.

• Writing complex SQL queries, using object-relational mapping libraries (iBATIS/Hibernate/Toplink) and MVC frameworks (Spring MVC/Struts2) as well as building and consuming SOAP and REST services.

Environment: JDK1.6, J2EE, JDBC, Servlets, Spring, Spring MVC 4.1.5, Spring JDBC, EJB3.0, XML, Hibernate ORM, HTML5, reactjs, Apache Camel, JBoss Studio, JBoss Server, SVN, Maven,JUNIT, Windows OS, Log4j, JIRA, SQL, ANT, JMS, MQ.

Skills / IT Skills

• Languages/Platforms

• Java 11, Java 1.8, JSP, J2EE, SQL, DHTML, JavaScript.

• Framework/Libraries

• Spring, iBatis, MyBatis, Struts, Hibernate, Log4j, JBOSS, Spring Boot, Microsevices • WebTechnologies

• JSP, Servlets, AngularJs,Angular2/4/6/8, jQuery, React.JS, Node.JS, EJB, Hibernate, Struts, Spring, JDBC, HTML5, DHTML and XML, CSS3, Web Services

• IDE/Tools

• IntelliJ IDEA 2018.2.3 (Ultimate Edition) STS (Spring Test Suite), Eclipsev3.5, TOAD v7.5, WSAD v5.0 • Messaging

• JMS, Apache Camel, ActiveMQ, Kafka

• SOA/ WebServices

• RESTful, SOAP

• Database

• Oracle, MySQL, PostgreSQL, DynamoDB, Couchbase, Cassandra, MongoDB, PL/SQL • Testing

• JUnit, Selenium

• Project build tools

• Ant, Maven, Hudson, Fusion, Jenkins, OneOps

• AppServer/Web server WebLogic v7.0, WebSphere v5.0, JBoss, Tomcat v5.5 • Cloud Services

• Amazon (EC2, S3, RDS, Lambda, SQS, IAM, CloudWatch, EBS), Docker, Ansible, Kubernetes, and Azure