**Sai Girish Reddy**

**Sr. Java Full Stack Developer**

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**Summary of Experience:**

* Having 10+ years of experience in IT developing web-based, internet/intranet, client/server, distributed architecture, and component-based architecture applications using **JAVA/J2EE technologies**
* Strong application development experience in using **Agile Software Development** methodologies like Scrum, and Sprint and Traditional software models like **Waterfall and TDD.**
* Developed web-based enterprise applications using **core Java, JAVA 8, J2EE, Servlets, JSP, EJB, JMS, JDBC, Hibernate, Web Services (SOAP and REST), MVC framework (Struts, Spring MVC), SQL** and Object-Oriented Programming techniques.
* 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), JSF, AJAX frameworks (Rich Faces, My Faces)** and ORM frameworks like **Hibernate, IBATIS.**
* Experience with and a solid understanding of Microservices
* Proficient in developing Web Services, related technologies &frame works: **WSDL, SOAP, REST, JAX-WS,** **JAXB, JAX-RPC, AXIS and Jersey, SOAP UI**, and generating client’s client using Eclipse for Web Services consumption.
* Well-versed with Core Java concepts like Collections, Multithreading, Serialization, and Exception Handling. Worked on OOPS concepts such as Abstraction, Encapsulation, Polymorphism, and Inheritance
* Proficient in core java concepts like Collection Framework, Multi-threading, Generics, Annotations, Serialization, Thread pools, JavaBeans, and Externalization.
* Managed Amazon Web Services like **EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB,** Elasticsearch, Virtual Private Cloud **(VPC)** through **AWS Console and API Integration**.
* Experienced in object-oriented, data structures, collections framework API for framework design in Java including API development experience.
* Expertise in developing web pages using **HTML, CSS, JavaScript, Typescript, JQuery, Ajax, React JS**, Angular JS, Angular 2/4/6/8/9, Bootstrap with webpage cross-browser compatibility and responsive web design and Server scripting language like **Node JS, BackboneJS.**
* Experience with different IDEs such as **RAD, Eclipse, Spring Tool Suite, and IntelliJ**.
* Actively involved in the **DevOps** streamlining process through **Jenkins CI and CD** Release Automation.
* Subversion **SVN, CVS, GIT**, and Visual Source Safe as versioning software tools.
* Worked on deployment, installation, configuration, and issues with Application servers like Apache Tomcat, IBM Web Sphere, BEA WebLogic, and JBoss Enterprise Application Server.
* Expertise in JDBC API for connection and access to databases.
* Expertise in Web Front End Technologies Struts, Tag Libraries and Struts custom validation rules**, Tiles, JSTL, JavaScript, DHTML and XML/XSL.**
* Proven ability in creating page Objects, data-driven, keyword-driven automation frameworks for J2EE-based applications using Junit, Selenium Web Driver, Mockito, Groovy Spock, TestNG Testing, Cucumber, Ant, Maven, Bamboo and Jenkins.
* Configured and created application log files using Log4J to trace required application messages.
* Expertise in Creating Hibernate configuration files, Hibernate Mapping files and defined persistence classes to persist the data into Oracle Database.
* Extensively used Apache Camel for transformation and used both Java DSL and XML DSL.
* Experience in implementing Design Patterns like Singleton, Factory, MVC, Data Access Object, and Business Delegate.
* Hands-on Experience with version control tools like **CSV, SVN, and GIT**. Followed Waterfall, Agile methodologies like Test Driven Development **(TDD)** and SCRUM
* Extensive experience working with RDBMS such as MySQL, MS SQL Server, Teradata, DB2, and Oracle.
* Experience in working with NoSQL Database like MongoDB to manage extremely large data sets.
* Expertise in XML technologies like **DTD, XSD, XSLT**, and various parsers like **DOM, SAX, and JAXB.**
* Experienced in developing UML diagrams with Star UML, and Rational Rose.
* Used Apache POI to convert XML files to Excel files and to read Excel files.
* Experienced in transferring data from different data sources into HDFS systems using **Kafka** producers, consumers, and Kafka brokers.
* Experienced in a fast-paced Agile Development Environment including Test-Driven Development **(TDD),** Scrum, and **SAFE (Scaled Agile Framework).**
* Solid Experience in creating Kubernetes Clusters in AWS and deploying a Docker Image on top of Kubernetes Cluster.
* Extensively worked on Pivotal Tracker and JIRA tools for tracking stories in a Project in a different methodology of Software Development Life Cycle.
* Having Experience with UNIX, Linux commands, and Deployment of Applications in Server and the ability to work effectively on Windows platforms.
* Ability to work independently or with a team.

**Technical Skills:**

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| **Languages** | Java, J2EE, C, C++ |
| **Frameworks** | Jakarta Struts, spring, Spring Boot, IBM JADE, Log4J, SLF4J |
| **J2EE Technologies** | Servlets, JSP, EJB, JMS, JNDI, Web Services, JDBC, SOAP, Mule |
| **ORM technology** | Hibernate |
| **Web Technologies** | HTML, JavaScript, CSS, Typescript, JSON, AJAX, XML, ESAPI, jQuery, Node JS, Angular JS, Angular 2/4/6/8/9, React JS |
| **App/Web servers** | Apache Tomcat 5.x, IBM WebSphere, OC4J, Docker |
| **Source Control Tools** | WinCVS, Serena Dimension, SVN |
| **IDEs** | IBM WSAD 7.5, Eclipse, JDeveloper, IntelliJ, Borland Together Architect |
| **Databases** | Oracle, MS SQL Server, My SQL and IBM DB2 |
| **Operating Systems** | Windows, UNIX, Linux |
| **Web Services** | SOAP, REST, WADL, XML, JSON |
| **Methodology** | Waterfall, Agile methodology |
| **Testing Tools** | HP Load Runner, SOAP UI |
| **Other Tools** | FileZilla, BugZilla, Putty, Rapid SQL, IBM DB2 client, CISM, JIRA, SQL Developer |

**Project Experience:**

**Client: DirecTV, El Segundo, CA Feb 2020-Present**

**Role: Senior Java Developer**

**Responsibilities:**

* Working in a highly dynamic AGILE environment and participating in Scrum and sprint meetings.
* Used Micro service architecture with Spring Boot based services interacting through a combination of REST and Apache Kafka message brokers.
* Used Spring Core for dependency injection/Inversion of control (IOC), and integrated frameworks like Struts and Hibernate
* Developed responsive web product features using React] S, SASS, on GoLang with REST.
* Built enterprise-wide DNS historical data trending analysis tools in Go (Golang), Languages with RESTAPI for user queries as microservices.
* Worked with REST API server/client implementation using JSON/XML.
* Worked on Lambda Expressions, Functional interfaces Stream API's, Time API, and Improvements on Collection, Concurrency, and IO improvements by using Java 8
* Used Angular 4/5, HTML5, CSS3, JSON, Bootstrap, Angular Material, node.js for developing user interface.
* ﻿﻿Used Angular two-way data binding to get the information entered by the users in New Account.
* Worked on AWS, Dynamo DB, RDS, EC2 High Availability Practices and deploying backup/restore infrastructure.
* Expertise in implementing web and enterprise applications using Java 11, Spring Boot, Spring Rest and Spring Security, React, Node] S, Python, MySQL, Angular, Mongo dB.
* ﻿﻿Maintained Interface compatibility and concurrency in the project using Java 1.8 new features like default, static methods and Concurrency API.
* Strong Splunk UI experience and able to debug expensive search queries.
* Experience in troubleshooting the Splunk server and forwarder problems and issues.
* Experience in Setting up the build and deployment automation for Terraform scripts using Jenkins.
* Involved in Analysis, Design, Development, Testing, and followed Agile methodology in TDD.
* Develop new fronted from the ground up using JAVA 8, HTML5, Linux, CSS3, JAVASCRIPT, jQuery, Bootstrap, Angular 8/9 as front-end building Environment.
* Configured RDS instances using cloud formation templates and terraform.
* Created Docker containers and Docker consoles for managing the application life cycle.
* Explored Node Js, Angular 9 and Ember Js to improve operational efficiency.
* Developed API’s by using Node.js and Cassandra (Graph DB).
* Used Hibernate, object/relational-mapping (ORM) solution, technique of mapping data representation from MVC model to Oracle Relational data model with SQL-based schema.
* Extensively worked on Spark using Scala on cluster for computational (analytics), installed it on top of Hadoop performed advanced analytical application by making use of Sparkwith Hive and SQL/Oracle.
* Deployed applications on AWS by using Elastic Beanstalk.
* Utilize Camel to integrate microservices with other micro services and Rabbit MQ messaging exchange.
* Used Cucumber testing framework to write Behavior Driven Development (BDD) functional test cases.
* Made the integration of data in several applications in favor JSON documents with dynamic schemas using Postgres SQL, Mongo-DB (NoSQL) database.
* Created REST API using Node.js to consume data in the User Interface.
* Working on DAO's to pull the data from the source Databases and converted into JSON formats and then published into Kafka Streams.
* Worked with numerous tools and services from the AWS suite including S3, SQS, AWS Lambda, EMR, Elastic search, Dynamo DB.
* Have worked with big data to generate the REST API and integrated that API to Client-Side code using Node.JS, Express JS
* Wrote Java API code for Amazon Lambda to manage the AWS service.
* At a later point, migrated from Express JS to Hapi JS which is configured on top of Node JS to attain better performance, to use built in authentication and authorization techniques.
* on CI environments for development testing.
* Implemented the Model View Control structure using Spring and Angular.
* Created Dynamic Integration of jQuery Tab, jQuery, and other jQuery component integration with Ajax.
* Implemented Spring Annotations, Spring AOP to develop Business layer components.
* Deployed application JBoss application server.
* Experienced with distributed transaction management with isolation levels with Spring JT.
* Prepared test case document AWS, Golang, Java 8, Docker, Java script and test case review documents.
* Contributed to JSON Web Token generation and distribution upon successful login with the use of Spring Security in the backend.
* Developed Application to assess JSON, Unix, Linux and XML from Restful web service from consumer side using Angular 8

**Environment:** Java 8, J2EE, Hibernate, Spring, Spring MVC, Spring Boot, MicroServices, Java Script, HTML, CSS3, JQuery, AJAX, Boot Strap, Angular 8/9, Node JS, Dynamo DB, RDS, Type Script, JSON, Kafka, AWS, EC2, S3, Lambda, Cloud Watch, Cloud Formation, Auto Scaling, JMS, ActiveMQ, PL/SQL, Oracle 12c, NO SQL, Kubernetes, XML, Protractor, Jasmine, Karma, Docker, JBoss, Log4J

**Client: NEILSON DAIRY, Oldsmar, FL May 2018 – Jan 2020**

**Role: Java/j2EEDeveloper**

**Responsibilities:**

* Developed batch jobs using Spring batch and Spring scheduling to process XML files received from other systems.
* Implemented MicroServices into existing system architecture.
* Developed Junit tests using Mockito framework in a TDD (Test Driven Development) environment.
* Developed powerful Single Page Application and dynamic responsive Web Application with Angular 9.
* Created Res-useable components, Custom Modules, Custom Directives, Pipes, Services in Angular 9.
* Improved the UI using Angular 8, Angular Material, Bootstrap, Priming
* Extensively used Angular-cli to generate components, routes, pipes and unit tests.
* Utilized the features of Angular 8 to present effective web design.
* Experience in using various Amazon Web Services (AWS) Components like EC2 for virtual servers, S3 and Glacier for storing objects, EBS, Cloud Front, Elastic cache and Dynamo DB for storing data.
* Built Angular 8 components, UI services to consume REST services using Component based architecture provided by Angular 8.
* Provided Java 8, Java programming support for existing and new applications.
* Developed MicroServices business components and RESTful service endpoints using Spring Boot
* Extensively involved in upgrading the existing system from Angular 7 to Angular 8.
* Created Reactive forms and performed validations using Angular 9.
* Created Res-useable components, Custom Modules, Custom Directives, Pipes, Services in Angular 9
* Created connections to database using Hibernate Session Factory, using Hibernate APIs to retrieve and store data to the database with Hibernate transaction control.
* Experienced in React JS and working with React Flux architecture. Experienced in working with Redux architecture.
* Implemented modules into Node JS to integrate with designs and requirements.
* Used Spring Security to provide JWT based authentication, authorization and access-control features for the application.
* Expert in HTML5/CSS3 development and have experience React.js, Angular.js, Responsive design.
* Implemented MicroServices based Cloud Architecture on Amazon Web Services (AWS) Platform and Cloud Foundry.
* Developing or maintaining a production-level cloud-based architecture in AWS, including creating machine Images like AMI, Dynamo DB.
* Developing of UI Components in React, which has large quantity of data to be shown such as editable grids.
* Developed front-end content using HTML5, CSS3, JSP and client-side validations using JavaScript and various JS frameworks.
* Defined Hibernate Named Queries for performing batch while defined Criteria Queries for Micro service.
* Developed the User Interaction/GUI Screens using HTML, JSP, Servlets, AJAX, Java script, and CSS.
* Developed User friendly interface to seamlessly combine the new module with existing login system using React JS.
* Worked in using **React JS components, Forms, Events, Keys, Router, Animations and Flux concept**.
* Extensively worked on business, front end and persistence tier using the JSP, Servlets, Spring MVC, and JSON.
* Used design patterns like Front controller, DTO, Singleton, Facade, Factory design patterns.
* Developed Java server Pages using JSP Tags, Spring-tags, minimal Scrip lets, HTML for client-side validation and errors to ease troubleshooting.
* Developed teh view components using CSS, HTML5, JavaScript, JQuery and form beans.
* Worked on JavaScript, JQuery and Servlets to generate dynamic web pages and web contents.
* Developed user interface by using the **React JS, Flux** for **Single Page Aapplication** development.
* Used **React Autocomplete** for creating google maps location search on the webpage and added **Excel-Builder** to download the **Tabular data** in Excel format.
* Used Docker as a container for Creating, Deploying, and running applications.
* Deployed applications in Kubernetes Clusters, running on Docker Hub.
* Developed user interface by using ReactJS**.**
* Used react-bootstrap for styling and responsive web design.

**Environment:** Java 8, HTML5, CSS3, JavaScript, jQuery, Ajax, Viejas, AWS, Dynamo DB, MicroServices, Spring, Spring Boot, Spring Security, Spring batch, Spring MVC, JUnit, J2EE, Node JS, Gradle, JMS, RESTful, Agile Methodology, React Js, Web Sphere.

**Client: Sears Holdings Corporation, Madison, WI Aug 2015 – May 2018**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Involved in implementation of enterprise integration with Web Services and Legacy Systems using SOAP, and REST (Using Axis and Jersey frameworks).
* Participated in coding Spring AOP components for the Logging, Exception handling and Transactional Model to handle many requests.
* Experience on configuring auto scalable and highly available microservices set with monitoring and logging using AWS, Docker, Jenkins and Splunk.
* Develop presentation tier using JSP, Java Script, HTML, and CSS for manipulating, validating, customizing, error messages to the User Interface.
* Creating automation and deployment templates for relational and NOSQL databases (standalone and RDS), including MSSQL, MYSQL, in AWS.
* Involved in Oracle database integration and implementation. (SQL Developer and SQL Plus).
* Excellent in front-end UI design implementations by writing HTML5/HTML, CSS3/CSS, Bootstrap, JavaScript to make better Single Page Application SPA working on Angular 4.
* Used Angular 4 directives such as ng-model, ng-bind, and ng-repeat to display data from Angular 4 Controllers.
* Used Rabbit MQ as Java Messaging Service for producing and consuming data between applications.
* Responsible for building a single-page application using the Angular 4 development framework.
* Implementing directives and scope values using AngularJS for existing web pages. Responsible for checking cross-browser compatibility.
* Used Bootstrap-Twitter to add front-end features for social communication in the application.
* Wrote application-level code to interact with the backend databases using JQUERY, AJAX, Angular 4 and JSON.
* Used Java Message Service (JMS) for reliable and asynchronous exchange of important information for status report.
* Configured Apache Kafka Consumer and Producer metrics to visualize the Kafka system performance.
* Developed SOAP based web services using WSDL, SOAP, JAX-WS and AXIS.
* Produced as well as consumed RESTful web services using Jersey API's.
* Worked with GIT which is used as a version control tool in the project.
* Support & Enhancement to the existing implementation of correspondence components which are developed using EJBs, JPA and Web Services / JMS Technologies.
* Done with Unit testing using JUnit and Mockito.

**Environment:** Java, J2EE, Spring MVC, IOC, AOP, Restful Web Service, Microservices, Multithreading, Hibernate, Eclipse, Angular JS/2/4, NodeJS, CSS3, HTML5, Web logic Server, WSDL, SOAP, JAX-WS, AXIS, Jersey, Tomcat, Oracle 11g, Oracle SQL Developer, Jenkins, Docker, Kubernetes, Linux, PaaS, Photoshop, Kafka, GIT, JIRA.

**Client: SQL Star International, Hyderabad, India Feb 2014 – May 2015**

**Role: Java Developer**

**Responsibilities:**

* Used agile methodology for software development. Based on the business needs of the application, developed functional and non-functional features of the application.
* Proficient in using servlets. Applied MVC implementation to the web application.
* Used Design patterns such as DAO, Singleton, Session façade which help in distribution of roles and responsibilities across various layers of processing.
* In production support responded to service tickets and service requests within established time-based requirements.
* Designed and developed REST based microservices using Spring Boot.
* Strong skills in writing queries, functions, triggers, and stored procedures in PL/SQL.
* Developed UI interface using HTML, CSS, jQuery and JavaScript AJAX and Tag libraries and Bootstrap.
* Strong skills in Oracle server-side programming which includes SQL, SQL\*Plus, PL/SQL Packages.
* Wrote JUnit test cases for unit testing. Used maven to build applications and created multi module maven project and used Jenkins for continuous integration.
* Extensively used spring framework Dependency Injection (DI) for object’s dependency resolution, Inversion of Control (IOC) using XML configurations, Java Annotations and Java Source code.
* Integrated Spring- Hibernate frameworks for ORM functionality. Maintained web services using Restful API.
* Developed the application using Eclipse IDE and used JBoss for deployment of application.
* Strong understanding of spring modules like Spring Core, Spring MVC, Spring JDBC, Spring Boot.
* Used DAO Pattern to fetch data from the database using Hibernate to carry out various database.
* Deployed the application using Apache Tomcat Server.
* Performed Module and Unit Level Testing with JUnit and Log4J for debugging and error tracking.

**Environment:** Core Java, JMS, JavaScript, jQuery, HTML, API, CSS, Microservices, Bootstrap CSS, JSF 2.0 X, Hibernate, Spring, Linux, XML, XPATH, Shell scripts, Perl Scripts, Eclipse, JBOSS, Agile, JDBC with Oracle 11g.

**Client: Pennant Technologies, Hyderabad, India Oct 2012 – Feb 2014**

**Role: Java Developer**

**Responsibilities:**

* Agile Methodology is used for development of the application.
* Used XML Web Services using SOAP to register agents using non-java application.
* Used JMS for the asynchronous exchange of critical data and events among J2EE components.
* Designed the user interfaces using JSPs, and Struts Tags.
* Experience in writing shell and Perl scripts for database connectivity and retrieving data from different sources.
* Implemented Struts Dispatch Action class and form bean classes using Struts framework.
* Integrated Struts MVC with Spring DI and Spring Hibernate DAO.
* Developed JUnit test cases for DAO and Service Layer methods.
* EJB Session Beans were used to process requests from the user interface and CMP entity beans were used to interact with the persistence layer.
* Used IBM WebSphere Application Server to deploy the application.
* Involved in writing XML validation classes using Struts validation framework.
* Used Log4J to capture the log that includes runtime exceptions.

**Environment:** Core Java, JSP, Struts, Spring, OOAD, Oracle, EJB3, Perl, JMS, XML, Design Patterns, ANT, Rationale Rose, IBM RAD IDE, IBM WebSphere Application, Log4j.

**Educational Details:**

Bachelor’s in computer science engineering from Gitam University in 2012.