**Ramya Sree**

**Sr. Java Full Stack Developer**

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**Professional Summary:**

* **8+ years** of professional experience in all phases of J2EE Application design and development, Web-based applications with Object Oriented Technologies, production support, and testing.
* Worked extensively with Core Java, Multithreading, and Collections.
* **Involved in coding customized java applications to accomplish specific needs that EDI reruires on regular basis**
* Extensive development experience in Web application development using Java frameworks Spring MVC, JSF, and Struts.
* Experience in front-end development using HTML5, CSS3, JavaScript, AngularJS, jQuery, Google Web Toolkit, and Yahoo User Interface.
* **Implemented a custom EDI (Electronic Data Interchange) management system which processes the 834 Format EDI files from multiple carriers and generate reports for easy error correction**
* Experience in Java Persistence layer development using Hibernate/JPA.
* Good knowledge in using Amazon Web Services like Amazon EC2, Amazon Simple DB, Amazon RDC, Amazon SQS
* Experienced in developing web applications using Python,Django,QT,C++,XML,CSS,JSON, HYML, DHTML, Javascript and J Query.
* Extensively worked on form validation using the Spring Validator framework.
* Good understanding of the Document Object Model (DOM) and DOM functions.
* Good knowledge of working on various SPA (Single Page Applications) using AngularJS.
* Extensive experience in Analysis, design, Development, Implementation, and Deployment of High-performance, Scalable, Distributed Applications.
* Use of IDE like Eclipse, NetBeans, Sun ONE Studio, Visual Source Safe, and Erwin for Database Schema Design.
* Good knowledge of Spring Core, Spring batch, Spring security, Spring boot, Spring MVC, and Spring’s integration with Hibernate and Struts technologies.
* Used Spring Batch and JPA and implemented services to do backend processing in the Financial Domain.
* Experience in using build automation using Ant, Maven, and Gradle.
* Worked with Software Development Life Cycle SDLC Requirements Specification, Design documents, and writing Test cases -Waterfall to Agile methodology.
* Experience in working with JavaScript testing frameworks Karma, Jasmine, and Protractor.
* Experience in Web application functional testing using Selenium.
* Involved in writing and testing test scripts using Selenium WebDriver and Java Object Oriented Programming Language.
* Experience in Java unit testing using JUnit.
* Experience with Design,Code, and devug operations , reporting , data analysis and web spplications utilizing Python.
* Experience in Restful web services development using Jersey and Apache CXF.
* Experience in SOAP web services development using Apache Axis2.
* Experience in Maintaining WebLogic Server on different UNIX platforms and setting up the Development, Testing, Staging, and Production environments.
* Implemented Java Messaging Service (JMS) - AMQ Series provides independent and potentially non-concurrent applications on a distributed system to communicate with each other, Used to achieve Service Oriented Architecture (SOA).
* Experienced with Python frame works like Webapp2 and Flask.
* Knowledge of Search Engine Optimization, Web Accessibility, and Web Securities.
* Expertise in working with relational databases Oracle and SQL Server.
* Expertise in working with NoSQL databases like MongoDB, and Cassandra.
* Worked with MongoDB and used Mongo Shell and Robo Mongo to access it.
* Worked on new development and maintenance of the application with the goal of converting the legacy application to microservices architecture.
* Designed a monitoring solution for Microservices.
* Good Knowledge of python and Python Web Framework Django.
* Very Strong experience Writing API's and Web Services in PHP and in Python.
* Created a custom Microservice to test the validity of the Producer and Consumer API.
* Experienced in writing PL/SQL procedures, Triggers in Oracle, and Stored Procedures in DB2 and MySQL.
* Developed Microservices using Spring boot.
* Worked on different Application Servers like Oracle/BEA WebLogic9.x/8.x/7.x/6.x, JBoss and Tomcat.

**Technical Skills:**

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| **Programming Languages** | Java, J2EE, PL/SQL, Python, C,EDI,C++. |
| **JavaScript Frameworks** | AngularJS, Node JS, jQuery, React JS |
| **Application/Web Servers** | Tomcat7.x/6.x/5.x, WebLogic 10.3/9.2/8.1/7.0, Apache 2.x, WebSphere 6.1/7.0, Apache ActiveMQ 2.9.0, JBoss |
| **Databases** | Oracle, MS Access, MySQL, IBM DB2, Mongo DB. |
| **IDE** | Sublime text, Notepad++, Brackets, Edit Plus, Eclipse, IntelliJ, NetBeans. |
| **Web Development** | HTML, DHTML, HTML5, XHTML, CSS, JavaScript, Angular JS, Node JS, AJAX, JSON, TypeScript. |
| **Standards** | Frameworks, Hibernate, Spring 4.x/2.5/3.1, Spring Batch, JDBC, JSP, JSF, Servlets, DOM, DOJO, RESTful, JUnit, Struts 1&2, Jasmine, Jersey, Postman, Restful web services, Log4j, SLF4J, Spring Boot, Micro Services |
| **Tools** | MS Excel, MS PowerPoint, MS Word, MS SharePoint, TOAD, SOAP UI |
| **Build & Design Tools** | UML, Rational Rose, Maven, Ant, Jenkins, Gulp, Karma |
| **Version Control** | GitHub, SVN, CVS. |
| **Platforms** | Windows (98, XP, 7, 8), UNIX, LINUX, CentOS |
| **Testing Tools** | Selenium, Cucumber, J Unit, Q Unit. |
| **Cloud Services** | Microsoft Azure, Amazon cloud services. |
| **Methodologies** | Agile, Waterfall, Rup, Xtreme |

**Professional Experience:**

**Client: Guardant Health, Palo Alto, CA**

**May 2021 - Present**

**Role: Sr. Java Developer/Python**

**Responsibilities:**

* Worked in a highly dynamic AGILE environment and participated in scrum and sprint meetings.
* Develop a new front from the ground up using HTML5, CSS3, JAVASCRIPT, jQuery, Bootstrap, AngularJS, and NodeJS as front-end building Environment.
* Configure and run gulp tasks in NodeJS runtime and handle injection, CSS pre-processing, minifying, test-running, and building-sync.
* Developed custom directives, Factories, and Services in AngularJS and implemented code per coding standards and created AngularJS Controller to isolate the scopes to perform operations and extensively used Core Java such as Exceptions, and Collections.
* Converting production support scripts to chef recipes. And AWS server provisioning using Chef Recipes.
* Expertise in consuming Restful web services using Node JS, AngularJS, and jQuery along with JSON parsing to implement AJAX calls and render the response data to the User Interface.
* Extensively used Java 8 features such as lambda expressions, Parallel operations on collections, multithreading, and effective sorting mechanisms.
* Invloved in Building database Model, APi's and views Utilizing Python in order to build an interactive web based solution.
* **Handling EDI new development using IBM Sterling Integrator,Create new business process,use Graphic modeler BPML,Production support**
* Used Streams and Lambda expressions available as part of Java 8 to store and process the data.
* Designed and developed the framework to consume the web services hosted in Amazon EC2 instances.
* Worked with AWS cloud service in creating EC2 instances and providing them roles and sometimes participated in writing custom policies and deployed applications on Elastic Bean Stalk and EC2.
* Created User controls and simple Animations Using Java script and python
* Experienced with event-driven and scheduled AWS Lambda functions to trigger various AWS resources.
* Used AWS SDK for connection to Amazon S3 buckets as it is used as the object storage service to store and retrieve the media files related to the application and Amazon Cloud Watch is used to monitor the application and to store the logging information.
* MYSQ L was used as the database for the application which was hosted in the cloud using Amazon RDS service.
* Developed Python Batch Processors to consume and produce various feeds.
* Experience in CI and CD with Jenkins, Implemented automation of new projects builds framework using Jenkins & maven as build framework tools.
* **Implemented a custom EDI (Electronic Data Interchange) management system which processes the 834 Format EDI files from multiple carriers and generate reports for easy error correction**
* Configured and managed AWS Glacier, to move old data to archives based on retention policy of databases/ applications.
* Involved in AWS SQS to interact with queue and give roles to it and involved in writing Custom policies.
* Analysing of SOA-based applications with Solar/web service / Apache ignite cache-based systems for optimal design/usage.
* Virtualized the servers using the Docker for the test environments and dev-environments needs. And also configuration automation using Docker containers.
* Experienced in implementing Micro Services, SOA with XML base web Services (SOAP/UDDI/WSDL) using Top-Down and Bottom-Up approaches.
* Worked with the SPRING framework hibernate integration to maximize the Classical model view controller layer (MVC) Architecture.
* Implemented SPRING MVC application framework to create and configure Java beans using SPRING IOC and used SPRING Hibernate support and transaction management.
* Experience in creating RESTful web services using Jersey, Spring Framework, and JAX-RS.
* Implemented RESTful Web services to retrieve data from the client side and made REST API calls from Angular JS parsed the data to project to the client and handled the security and Authorization using Spring Security and OAuth1/2.
* Build, deploy, monitor, manage and maintain Cloud applications and the underlying Cloud (e.g. AWS, Docker, etc.) technologies in local and remote data centers
* Creating REST-based Web Services by establishing links using HATEOAS from spring-based Applications.
* Involved in developing APIs and Rest API proxy using APIGEE edge and for sending mobile notifications.
* Developed the Web Services Client using REST, and RSDL for verifying the new customer history to a connection.
* Developed DAOs (Data Access Object) using Hibernate as ORM to interact with DBMS - MySQL and Mongo DB.
* **Designed Custom Business Workfellow Management system that handles multiple tasks and assignment for state workers and supervisors for working efficiently with the Human Service Applications (Health Care, Medicaid and Food Stamp Applications).**
* Optimized the full-text search function by connecting to Mongo DB.
* Worked with Docker to deploy Micro-services in modern containers to increase Isolation.
* Worked on Thread handling to maintain continuity of execution and extensively implemented the Multithreading concept to handle Transaction Management with isolation and propagation levels.
* Involved in Designing Kafka messaging queues.
* Developed multi-Threaded standalone app in Python,PHP,C++ t.o view circuit parameters and performance
* Used MAVEN as a Build Process and used generating Documentation, Reporting, and adding Dependencies.
* Performed daily Night Build and weekly Build and release for the product using Ant, and Maven build scripts.
* Using JUnit test in Eclipse, developed Unit test cases and test suite, curl was also implemented to test.
* Used Jenkins as the integration tool and improved scalability of applications on cross-platforms.
* Deployed the Application EAR and RESTful Services on the JBoss Application Server.
* Helped building Rules Engines and Data model for various Eligibility systems including but not limited to Medicaid, SNAP, TANF and QHP.
* Developed Business Logic Using Python on Django Web Framework.
* Converting production support scripts to chef recipes. And AWS server provisioning using Chef Recipes.
* Involved in Production Support and Maintenance of the application and troubleshooting of Issues on JBoss by checking logs, payments, etc.

**Environment:** Java/JDK, J2SE/J2EE, HTML5, CSS3,JavaScript,EDI,jQuery,Docker,Spring,Python,Spring Boot, Spring Batch, Spring MVC, AngularJS, NodeJS, Ec2, S3, SDK, MySQL, SOA, JDBC, Hystrix Dashboard, AWS, Netflix Ribbon, Hibernate, REST, JSON, RESTful, Eclipse, MAVEN, JUnit, Jenkins, JBoss, Linux OS, MongoDB, GIT, PL/SQL, Docker, ANT, JIERA, Kafka, JMS.

**Client: The Home Depot, Atlanta, GA**

**Mar 2019 – Apr 2021**

**Role: Sr. Java Developer/Python**

**Responsibilities:**

* Developed a Micro service-oriented application with React JS in the front end and Spring Boot services.
* Involved in the development, design, and implementation front end part of the widget-based application using HTML5, CSS3-LESS, AJAX, and Bootstrap 4.0.
* For client-side view rendering services, React JS typically used various predefined Redux libraries.
* Configured React-Redux for state management and React-Router for programmatic navigation.
* Implemented Store-Redux for holding the whole state tree of application and Reducer-Redux for describing actions.
* Developed Merge jobs in Python to extract and Load data into MYSQL Database.
* Used Axios AJAX request to data from the back-end based on user interface input and post updated data back to the backend.
* Mocha test runner and Chai test framework are used to test React JS components.
* Web pack module bundler and Babel JavaScript compiler are used to accompany React JS.
* Implemented Spring Boot to create a CRUD backend for our React-fronted application.
* Bottle micro-framework implemented with RESTful service and used WADL (Web Application Description Language) for modeling the resources provided by the services and relationships between them.
* Junit is implemented along with Mokito to perform unit testing on our RESTful web application.
* Implemented JWT (JSON Web Tokens) for creating tokens to assert claims in the application and thus providing authentication of RESTful services.
* Rewrite existing java application in Python Module to deliver certain format of data
* Modules for the Front-end are integrated into the back end using the Hibernate framework.
* Implemented Spring Batch for processing large volumes of records, including logging/tracing, transaction management, job processing statistics, job restart, skip, and resource management in the application using Quartz scheduler.
* Developed entire front end and backend Modules using Python on Django Web Framework.
* Published message services using Spring AMQP’s Rabbit Template and subscribed to the messages on a POJO using a Message Listener Adapter.
* Worked with Cassandra Node Connector for database persistence to interact with Cassandra NoSQL DB with Spring Data to unify and ease the access to Cassandra persistence stores.
* MySQL database used to load the application data and written PL/SQL procedures, and complex queries to perform various data operations.
* Splunk is implemented in the application for log errors, exceptions, business logic, and log analytics.
* Gradle build tool is used to deploy the application on the web servers i.e., JBoss.
* Integration of automation batch run job with Jenkins. Worked with Jenkins Continuous Integration and Continuous Deployment (CI/CD).
* Deployed the Dockerized Spring Boot application that is intended to be run on dev local machine using PCF (Pivotal Cloud Foundry).
* Behavioural and Integration testing is done using Cucumber and Selenium respectively.

**Environment:** JavaScript, React JS-Redux, HTML5, CSS3-LESS, AJAX, Bootstrap, jQuery, Spring Security, Rabbit MQ, Spring Data, Spring Batch, Quartz Scheduler, Hibernate, Spring Boot, Microservices, Restful services, Netflix OSS, Eclipse Java EE IDE, Jenkins, Spring Cloud-Netflix, Splunk, Mongo DB,Python,MySQL, Docker, Apache tomcat, Jenkins, Ribbon, Eureka, JUnit, Mokito, Mocha, Chai, Selenium, Cucumber, Cassandra DB, Cassandra Node Connector, Gradle, JBoss, JIRA, JWT, WADL, Web pack, Babel.

**Client: FedPoint, Portsmouth, NH**

**Dec 2017 – Feb 2019**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Designed the user interface screen and its functionality as per user requirements and developed RESTful Web services in Mule ESB based on Service Oriented Architecture (SOA).
* Developed dynamic web pages using HTML5, CSS3, Bootstrap and AJAX.
* Effectively migrated the Angular 1.0 application to Angular 2.0 to use the enhanced features of type script, Angular Routers, and Angular Components.
* Used Angular 2.0 to create views to hook up models to the DOM and synchronize data with the server as a single-page application.
* Effectively used Angular Directives, filters, declarative templates, service providers, and context-aware communication.
* Performed Angular JS end-to-end testing using Protractor framework.
* Worked on using Grunt for concatenation, minification, and running of unit test cases.
* Legacy Web Services Systems using SOAP (AXIS-2) is migrated and implemented using REST (Jersey extending the JAX-RS) with data representation in different formats such as XML and JSON.
* Implemented WADL configuration and API documentation for the understanding of Rest-based Web services.
* Wrote custom marshaller for web services in the application for converting in-memory objects into persisting or transportable formats.
* JAX-RS API generic and pluggable interface called Message Body Writer for doing the custom marshaling.
* Hibernate ORM framework is used to interact with the database through Hibernate query language (HQL).
* DB2 database used to load the application data and written PL/SQL procedures, and complex queries to perform various data operations.
* Message broker services are achieved in the application using Active MQ with the JMS framework
* Used Maven build tool to deploy the application on web servers i.e., JBoss.
* Deployed and monitored services using Open Shift and managed Domains and Routes
* Configured Jenkins to handle application deployment in the Pivotal Cloud Foundry (PCF) server and to integrate with Git Hub version control.
* Implemented Drools Business Logic Integration Platform which provides a unified and integrated platform for Rules, Workflow, and Event Processing.
* Unit, functional, end-to-end testing is achieved using the TestNg framework.
* Integration testing methods and behavioral-driven testing in the application are implemented by using Selenium and Cucumber respectively.

**Environment:** Angular JS, HTML5, CSS3, AJAX, Bootstrap, JSON, XML, Active MQ, JMS, Hibernate, DB2, SOAP-AXIS2, Restful services, JAX-RS SOA, Eclipse Java EE IDE Neon.3, Jenkins, Git, Log4j, DB2, Grunt, Jasmine, JBoss, Jenkins, Open Shift, Drools, Maven, TestNg, Protractor, Grunt, Selenium, Cucumber, WADL.

**Client: Redpoint Positioning Corporation, Boston, MA**

**Aug 2016 – Nov 2017**

**Role: Java Developer**

**Responsibilities:**

* Involved in the implementation of Stateless session beans (EJB) for the business logic layer and Entity beans for persistence.
* Performed validation for the client side as well as the server side with the help of Struts Validation Framework.
* Worked on Oracle database to create databases of student and faculty login information and their desired areas of study.
* Developed the application using JSF Spring Framework that uses Model View Controller (MVC) architecture with JSP as the view and jQuery validation framework for front-end validations.
* Developed codes for Action Servlet, Request Processor, and Action classes by extending the Struts package.
* Implementing the 1.3 framework for the Model View Controller (MVC) pattern.
* Used Struts framework along with JSP, Servlets, HTML, CSS, jQuery, and JavaScript to construct dynamic web pages.
* Design and development of JAXB components for transfer objects and Prepared EJB deployment descriptors using XML.
* Supported existing applications developed using Spring MVC, AOP framework.
* Used JPA mapping techniques such as One to One, Many to One, and Many to Many mappings to represent relations between various entities in the project.
* Resolved Blackboard problem tickets and made 100% follow ups maximizing customer satisfaction.
* Provided weekly status reports to the manager with the latest information on all ongoing activities and used the rest Clients to test the web services.
* Involved in Code Review, Unit Testing, and Integration Testing.

**Environment:** Java 1.5, TDD, Struts 1.3, EJB 3.0, jQuery, JSP, HTML, CSS, Servlets, SOAP, WS-Security, MQ, Eclipse, Ajax, JNDI, JBoss, Web service, Junit.

**Client: Hexagon PPM, Hyderabad, India**

**Nov 2015 – Mar 2016**

**Role: Java/J2ee Developer**

**Responsibilities:**

* Developed Controller Servlet to handle Client requests.
* Developed web pages using JSP, and Struts Tags.
* Developed the web application using Struts MVC.
* Waterfall Methodology is used for the development of the application.
* Involved in configuring Struts configuration files.
* Developed Action Classes for the Struts framework and implemented Java classes for corresponding Strut Actions.
* Entity and Session Beans were created using the Session Facade Pattern to reduce network calls and enhance transactional capabilities.
* Used Java Collection Classes like Set, Array List, and Hash Map, etc.
* Developed JDBC data access objects and these classes make the EJB Components resource independent.
* Good experience in providing application support in technologies like Java, J2EE, and SQL.
* Implemented Custom Tag Libraries for UI components.
* Developed web pages using HTML/CSS and JavaScript.
* Extensively used Oracle programming using SQL and PL/SQL.
* Responsible for coding SQL Statements and Stored procedures for back-end communication using JDBC.

**Environment:** JDK, J2EE, Struts MVC, Tiles, JDBC, JSP, JavaScript, JSP, ANT, EJB, Array List, HashMap JDBC, WebSphere Application server, HTML, Oracle.

**Educational Qualification:**

* Bachelor of Engineering from SK University, Anantapur, India – 2015.