**Sai Raju**

**JAVA/J2EE Developer**

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**OBJECTIVE:**

**Over 9+ years of experience and backed with rich domain knowledge and practical knowledge of several IT technologies, I seek a career with challenging assignments to amalgamate personal enrichment with professional goals.**

**PROFESSIONAL SUMMARY:**

* Experience working with various SDLC methodologies based on **Agile**/**SCRUM** like **Test Driven Development(TTD), Incremental** and **Iteration methodology, Pair Programming, Agile Development.**
* **Developed modules using Angular, Node, React, Bootstrap, JavaScript, Ajax, query, CSS3 and HTML5**
* **Proficient in applying design patterns like MVC, Singleton, Session Façade, Service Locator, Visitor, Observer,**

**Front Controller, Data Access Object.**

* **Expertise in using inbuilt and custom AngularJS directives and filters to add functionalities to the web page.**
* Experience in **Angular 1.5/2.0**along with Bootstrap, CSS3to create reusable components for RWD applications.
* Experienced in Server-side validations using **Ajax** in **NodeJS and** Client-side validations using **Angular JS**
* **Strong experience in developing applications using Core Java concepts like OOPS, Multithreading, Collections Frameworks, Exception Handling, Data structures and JDBC.**
* **Expertise in UI technologies like XML, XML Spy, HTML, HTML5, DHTML, XHTML, CSS, CSS3, PHP, XSLT, JSON, jQuery, AJAX, JavaScript, ReactJS.**
* **Developed core modules in large cross-platform applications using JAVA, J2EE, spring 3/4/Boot, Hibernate, JSP, Servlets, EJB, JDBC, Web Services (SOAP, REST), And Micro Services.**
* **Strong experience in Spring Framework modules such as Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Dashboard, Spring Boot, Spring Micro services, Spring REST, Spring Eureka, Spring Netflix**
* **Experienced in implementing Service Oriented Architecture and Web Services using SOAP, REST.**
* Developed Micro services using **Spring Boot** and deploying Microservices into **AWS cloud** using **Jenkins**.
* **Experienced in Middleware persistence frameworks like Hibernate/JPA Entities for mapping Java classes using Hibernate Query Language (HQL), HSQL Named Queries, Criteria, and Projections.**
* Good Working Knowledge of **ANT, Maven, Gradle**.
* **Experience in creating Docker images, Containers, push/pull and integrating with Spring Boot.**
* **Experience in database modeling, design and development of PL/SQL stored procedures, packages in relational databases: Oracle 9i / 10g / 11g, PostgresSQL and MYSQL.**
* **Experience in working with NoSQL** databases like **MongoDB**, **Cassandra**.
* Hands on experience in **Amazon Web Services** provisioning and good knowledge of **AWS** services like **EC2, S3, Elastic Beanstalk, ELB (Load Balancers), RDS,** Route53, Cloud Watch, Cloud Formation, IAM, SNS.
* Used Jenkins as a primary tool for implementing the **CICD** during code releases, worked with **CICD** pipe line to build and deploy transcending application on **AWS.**
* Expertise with employment of **Apache Kafka** and **Zookeeper** apart from **JMS** as messaging service.
* **Hands on experience with build tools like Ant, Maven, Gradle and Logging tools like Log4J.**
* Monitoring and logging tools such as **ELK Stack** (Elastic search, Log stash, and Kabana).
* **Experience with CICD, Maven, Gradle, Jenkins, CVS.**
* **Experienced in using IDE's such as Eclipse, STS, Rational Application Developer (RAD), Net Beans, and IntelliJ.**
* **Experience in testing with JUnit Framework using Mockito and Easy Mock, Spring JUnit Runner, JMeter.**
* **Experience in working with web servers Tomcat 8, Web Sphere 8.x/9.x, Jetty, JBoss7.1.0 and Web Logic 10.0.**

**TECHNICAL SKILLS:**

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| **Programming Languages** | **Java 8.0/7.0/6.0/5.0, PL/SQL** |
| **Java/J2EE Technologies** | **Servlets, EJB, JPA, JDBC, JSP, JSTL, JNDI.** |
| **Frameworks** | **Spring 4.3, Hibernate 2.0/3.0/4.x, Spring Security 3.2** |
| **Application/Web servers** | **Apache Tomcat 8, IBM Web Sphere 8.x/9.x,Jenkins, Web Sphere** |
| **Relational Databases** | **Oracle 10g/11g, MySQL 5.7, DB2 11.1** |
| **Nasal Databases** | **MongoDB, Cassandra** |
| **Internet Technologies** | **HTML 5, JavaScript 1.8, XML 2.0, CSS 3 and CSS 4, jQuery2.11, AngularJS1.0/1.5/2.0, Node JS 6.0.** |
| **Cloud Environments** | **AWS, PCF, Netflix Eureka, Kubernetes.** |
| **IDE** | **Eclipse, Net Beans 8.0.2, IntelliJ 2017.1, Spring Tool Suite (STS) 3.8.3** |
| **Operating system** | **Windows 10, Linux, Unix** |
| **Testing &Bug tracking Tools** | **JUNIT4.12, JIRA 7.0, Bugzilla4.4.12, Curl 7.36** |
| **Methodologies** | **Agile, waterfall, TDD (Test-Driven-Development), Scrum** |
| **Developer IDE Platforms** | **Eclipse, Net Beans 8.0.2, IntelliJ 2017.1, STS 3.8.3, GITHUB 2.12.0** |
| **Build Tools** | **Maven 3.3.9, Gradle3.4.1** |
| **Web Services** | **SOAP 1.2, REST 2.0, JAX-WS, JAX-RPC, JAX-RS, Apache Axis** |

**TECHNICAL EXPERIENCE:**

**Client: Comcast, Philadelphia, PA Jan 18 – Till Date**

**Role: JavaFull Stack Developer   
Description:** Responsible for developing modules in Tech-IVR(Technician IVR used by Comcast Technicians for activating Devices), Agent-IVR(Application used by Comcast call center agents for routing callers to the appropriate agents), DIVR(Application Intended to serve Comcast customers for paying bills, technical support, etc.) , Outbound-Dialer Middle Tier(Application intended to call customers and inform them of the pending payments.

**Responsibilities:**

* Involved in the analysis, design and development phases of the **Software Development Life Cycle** (SDLC) using **Agile (SCRUM**) development methodology to deliver regular updates to business team and project managers.
* **Developed UI pages using HTML5, AngularJS2.0, Bootstrap, CSS3, JavaScript, jQuery, AJAX and Nodes.**
* Build the reusable service components with **AngularJS, Bootstrap,** and **JSX** that are used across various modules.
* Used Selectors, Events, AJAX and Dom Manipulation components in **Angular 2.0directives, filters, services.**
* Used NodeJS fordoing non-blocking design operation for server-side code.
* Built REST by building **Nodes** in the back-end to handle requests sent from the query Ajax calls.
* Implemented **jQuery**to develop the widgets and to perform the client-side validations, UI centric **Ajax behavior**.
* Used **Executor Service multithreading** to implement **Thread pool, parallel processing** to run processes asynchronously using future calls to access the data.
* Developed using new features of **Java 1.8 annotations**, **Generics**, enhanced for loop and Enemas.
* Used advanced java 8 features like **Lambda expressions** for array operations, **Streams, Method reference, collections**. Enhanced concurrency methods etc. throughout the application for well-defined programming.
* **Implemented design patterns like MVC, Singleton, Business Delegate, Factory, and Service Locator.**
* Developed Restfulweb services using**Spring MVC RESTframework** and **JAX-RS**.
* Used**Spring MVC Rest Controllers**, Services along with Dependency Injection, **Spring JMS** and**Spring Security**.
* Used **Spring Framework AOP Module** to implement **logging** in the application to know the application status.
* Used Annotations for **Spring DI**, **Auto wiring** and Spring MVC for REST API s and **Spring Boot**for**Micro services**.
* Implementing or exposing the **Micro service** architecture with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Experienced in logging with **ELK Stack** by using **Elastic search, Log stash,** and**Kibana**.
* **Using Swagger UI registered micro services, monitored service health check from Spring Boot admin console.**
* **Used Oauth 2.0** authentication protocol respectively for **security** and **authorization**.
* **Experienced circuit breaker patterns and fail safe in Spring Boot Micro Service applications using Hysteria and monitored the services using Hysteria Dashboard.**
* Experience in performance tuning with **Oracle database**. Designed and developed file upload and file download features with **Oracle BLOB and CLOB.**
* **Experienced HQL, Named Parameters, Named Queries and Interfaces such as Expression, Query and Criteria for implementation of Hibernate template and extensively used Hibernate Cache.**
* Wrote SQL **queries, stored procedures, triggers, views, and** enhanced performance with explain plans.
* **Developed DAO layer using Cassandra and** expertise in **CQL (Cassandra Query Language)**, for retrieving the data present in Cassandra cluster by running queries in **CQL**.
* Deployed Spring Boot based micro services into **Dockercontainer** using **Amazon EC2** container services.
* Developed API for using **AWS Lambda** to manage the servers and run the code in the **AWS.**
* Used **AWS Cloud watch** in alerting, maintaining and monitoring of production and corporate servers/storage.
* **Experience with building Docker Images and running them on Docker container.**
* Designed and configured management reports and dashboards using **Kibana**.
* Worked on Test automation framework using **Selenium**web driver.
* Familiar with **Cucumber, Selenium Web Driver, Selenium** commands and **X-path** and developed **grunt** tasks to run the unit tests on **Jenkins** and Used **JIRA** to assign, track, report and audit the issues in the application.
* **Worked with several testing frameworks such as JUnit and Mockito**
* **Used Eclipse based Spring Tool Suite (STS) for development and debugging Spring Boot applications.**
* Configured and administered **Jenkins for CI/CD** into **Tomcat** Application Server.

**Environment: J2EE, Spring MVC, XML, AJAX, AngularJS, NodeJS, AWS, JavaScript, Hibernate, Bootstrap, JIRA,Spring Boot, Web services, Micro services, AWS,ELK stack, Maven, HTML5, CSS3, jQuery, Docker, Tomcat, Get, Jenkins, Selenium, Cucumber, STS.**

**Client**: **Change Health Care, Lombard, IL.Aug 16 – Dec 17**

**Role**: **Senior J2EE Developer**  
**Description:** This is a web application based on J2EE architecture. It provides web-based access to in patient and outpatient data from the Data Repository. Users can review as well as update or enter new data through data repository. Many clinicians use Data Repository daily for accessing patient data, which aids in making important clinical decisions. Data Repository is mainly composed of various modules running insideof the application. The project aims to provide the company with data to develop evidence-based health policy decisions as well. The client programs are used for issuing or retrieving data from the database depending on the query for finding health policy premium.

**Responsibilities:**

* **Designed the application using the J2EE design patterns such as Session Façade, Business Delegate, Service Locator, Value Object, Value List Handler, Singleton.**
* **Developed Use case diagrams, Object diagrams, Class diagrams, and Sequence diagrams using UML.**
* **Developed presentation tier as HTML, JSPs using Struts Framework.**
* **Developed the middle tier using EJBs.**
* **Developed session, entity beans and message driven beans.**
* **Entity Beans used for accessing data from the SQL Server database.**
* **jQuery opinionated about how a CRUD (Create, Read, Update, Delete) application should be built.**
* **Designed Frontend with in object-orientedJavaScript Framework like React.JS. Created forms to collect and validate data from the user in HTML5 and React.JS.**
* **Maintained existing UI Applications and upgraded them using CSS3, jQuery, AJAX, GWT, JavaScript, React JS, Backbone.js, JSON and HTML5.**
* **Hand coding HTML5, CSS3, JS - responsive UI using Twitter Bootstrap framework and Designed graphics, logos,**

**illustrations, printing material, converted text documents to HTML5.**

* **Used PL/SQL stored procedures for applications that needed to execute as part of a scheduling mechanisms.**
* **Using Core Java, Swing, and multithreaded clients, designed, developed and implemented, new products and**

**application implementations for the Rates, Structured Funds and Equities trading desks.**

**Successfully delivered**

**multiple projects over a three plus year engagement.**

* **Multithreaded Java Swing clients were designed and developed for traded financial products.**
* **Used Spring Framework for Dependency Injection and integrated it with the JSF Framework. Used Spring JDBC to retrieve the data and represented the data in the form of tree which has seven hierarchies and implemented drag and drop functionality to it.**
* **Implemented pre-authentication and data base security using spring security. Implemented crosscutting concerns using Spring AOP.**
* **Stored authentication and authorization detail in database.**
* **Used these db authorization detail with spring security annotation on method for apply method level Spring security. Used Spring security jsp tags to provide UI level spring security.**
* **Used Spring Batch as spring batch jobs can meet the requirements of reliability, robustness, and traceability, which are essential for automatic processing of large amount of data.**
* **Prepared high and low-level design documents for the business modules for future references and updates.**
* **Deployed the application on WebSphere application server in development and production environment.**
* **Undertook the Integration and testing of the various parts of the application.**
* **Developed automated Build files using ANT.**
* **Used Subversion for version control and log4j for logging errors.**
* **Developed test scripts in Selenium Web Driver using Java Language. Developed unit testing using JUnit.**

**Environment: Java/J2EE, Struts 1.2, Tiles, EJB, JMS, Servlets, JSP, JDBC, HTML, CSS, JavaScript, JUnit, WebSphere 7.0, Eclipse, SQL Server, log4j,**

**Subversion, Selenium Web Driver, Windows NT**

**Client: US Bank – Florham Park NJ. Dec 14 – July 16**

**Role**: **Sr**. **Java Developer.**  
**Description**: The online portal for US Bank customers. This is an Online Web Portal used by customers

register, Sign-on to access account history, transfers, profile management and perform transactions. The

application is Online Banking System is a Web based application, based on MVC architecture.

**Responsibilities:**

* Implemented the Graphic User Interface by coding in **HTML**, **CSS3, Bootstrap, JavaScript, jQuery,** and **query UI.**
* Designed Single page web applications on object-oriented JavaScript Framework like **Angular.JS** and **Ext.JS**.
* Created prototypes in **HTML, JavaScript** and **CSS** for different UI pages.
* Implemented and developed UI components using **AngularJS** features like DI, Models, data binding and controllers. Develop various screens using **AngularJS** and used various predefined components from **NPM**.
* The application is designed using **J2EE design patterns** S**ession façade, Singleton, Factory**, **DAO** and technologies based on **MVC** architecture.
* **Used Spring DAO module for performing CRUD operations on database and implemented logging in the application using Spring Framework AOP module to know the application status.**
* Used **Spring MVC** Model View Controller to handle/intercept the user requests and used various controllers.
* Implemented (**SOA**) to retrieve data from client side and made **REST API** calls and parsed the data to client and handled the security and Authorization using **Spring Security**.
* Build, Test and developed application from **Docker** containers and deployed into **PCF** environment.
* Experience in Micro services development using spring boot and deployment in Pivotal Cloud Foundry (PCF).
* Used **JERSEY** framework to implement the **JAX-RS (Java API for XML and Restful Service**).
* **Developed REST web services using Spring MVC to extract client related data from database and used SOAPUI**
* Developed **Micro services** with **Spring Eureka** to retrieve API routes and Implemented **Spring Circuit breaker** pattern, integrated **Hysteria** dashboard to monitor spring micro service.
* **Experienced with setting up the basic project setup from scratch using Spring-Hibernate based design.**
* Involved in writing **Thread** Safe blocks for **multithreading** access to make valid transactions.
* Developed application using **agile** methodology and deployed the application onto **Web Logic** application server.
* Used **Cassandra** for achieving **denormalization** through features like collections.
* Experienced with **JAXB** binding to convert Java object to **XML** and vice-versa.
* Configured and deployed the application in**Jobs** Application Server.
* Involved in Code Review, Unit Testing and Integration Testing, **Selenium Web Driver**.

**Environment**: **HTML, JSF, query, JavaScript,Bootstrap,AngularJS, NPM, Spring 3.x, Spring MVC, Spring Security, SVN, REST, JAX-RS, Jersey, SoapUI, Selenium Web Driver, Web services, JBoss, Agile.**

**Client:Tesla Motors, Fremont, CA. Jan 14 – Nov 14**  
**Position:Sr.Java/J2EE Full Stack Developer**  
**Description:**Warp Service (WSO) is an online application to support and enhance the supply chain management, repair order tracking, inventory management, customer vehicle profile, service center management, creating shipment orders, packaging delivery tracking within Tesla Motors. It uses Web API to interact with different components and tools. Data inputs are provided through multiple sources.

**Responsibilities:**

* Extensive experience in designing professional UI web applications using front-end technologies and Java Script Frameworks **like HTML, CSS, JavaScript, XML, jQuery, AJAX, JSON, Bootstrap.**
* Involved in writing application level code to interact with **RESTful** Web **APIs**, using **AJAX**, **JSON**, **XML**and**jQuery**.
* Worked on **AJAX** functionality for dynamic data binding for data grid, accordion, Ajax driven menu tabs using back end service calls and consumed both **JSON** and **XML** data in UI Side.
* Used Core Java features such **Collections**, **and Exception handling** to efficiently process transactions.
* Used Spring Framework **AOP Module** to implement logging in the application to know the application status.
* Developed the whole application using **Spring MVCFrameworkIOC** (Inversion of Control) design pattern to separate the application configuration and dependency specification from the actual application code.
* Used distributed Transactions Management system with **Spring JPA**.
* Used **Spring Batch** as spring batch jobs can meet the requirements of reliability, robustness and traceability whichare essential for automatic processing of enormous amounts of data.
* Used **Hibernate** as **ORM** tool and developed hibernate configuration files for establishing database connection
* Used **hibernate core** interfaces like configuration, session factory and criteria interfaces.
* Involved in designing and developing the End points (controllers), Business Layer, DAO layer using **Hibernate**.
* Implemented complex back-end component to get the count in no time against large size **MySQL** database
* MQ was used to provide a single unifying transport that reduces cost and maintenance efforts, including support for **HTTP,REST**was used for publishing Web Service interfaces.
* Developing **Restful web services** using **JAX-RS** API and to exchange data using REST Template in **JSON, XML, and Text.**
* Followed **Test Driven Development** and wrote server-side test cases using **JUnit 4.12.**
* Hands on **Eclipse** as the integration environment for developing, debugging, and maintaining project code files.
* Experienced with Web Sphere server to deploy the application.

**Environment: HTML, CSS2, JavaScript, JQuery, AJAX, JSON, DHTML, JAXB, XSLT, XML, Spring MVC, Spring-CORE, Spring Batch, Spring Security, Spring AOP, Spring JPA, RESTService, Hibernate, MySQL, JMS, WSDL,JUnit, Apache CXF, Eclipse.**

**Client: Zurich Farmers Insurance Group, Los Angeles, CA Oct 12 – Dec 13**  
**Role’s. Java/J2EE Developer  
Description:** CSS is a customer facing web application using which the end customer can create a login for himself and manage his Insurance policies online, pay his premiums and request for any changes in his policies by intimating his agent online. The drive was to enhance the web application’s performance by optimizing the existing features and technologies, analyzing for security threats from external or internal sites and domains and provide a more robust UI to the customer. This was a hugely successful project in terms of customer satisfaction and Farmer’s revenue.

**Responsibilities:**

* Used **AGILE** methodology and participated in **SCRUM** meetings.
* Designed and developed front-end using struts framework. Used **HTML, CSS and Bootstrap**.
* Developed the **Query** callback functions to implement asynchronous communication using **AJAX**.
* Used **Multithreading**, **Collections** and other **J2EE** technologies to design and develop the code.
* Wrote queries in **Oracle** Spatial in developing GIS based application.
* Used **JDBC** to invoke **SQL** stored procedures for applications that need to execute as a part of a scheduling
* Deployed the application on **Web Sphere** application server in development and production environment.
* Conducted weekly code walk through using **UNIX Shell Scripts.**
* Developed **SOAP** based **Web Services** for Integrating with the Enterprise Information System Tier.
* Used **JIRA** for bug tracking, project level issue tracking and environmental issue tracking.
* Wrote **JUnit** test classes for the services and prepared documentation for the application.

**Environment: HTML, CSS3, JavaScript, Query, JSTL, EL, JSON, XHTML, JAXB, XSLT, DOM, XML, EJB, Web Services, Java, JSP, JDBC,EJB, J2EE, SOAP, Eclipse, Oracle, JUnit, JIRA, Web Sphere.**

**Client: Info Vision Tech, Hyderabad, India. May 09 – Sep 12**

**Position: Java Developer**  
**Description:** Passkey is a web application, which manages corporate shipping accounts that allows business customers to register their company for back-office shipments. Application can have an administrator type of user who can create sub users and manage their shipping categories like international, domestic, and various other types of shipments by controlling their permissions.

**Responsibilities:**

* Developed the presentation tier using **HTML, CSS, JSP, Servest, JSTL, Ajax and Struts**.
* Used **Struts-Validate** frame-work for all front-end Validations for all the form entries.
* Used Struts framework for the MVC implementation and **Hibernate** as **ORM** tool for database communication.
* Worked extensively with **JSP’s and Servlets** to accommodate all presentation customizations on the front end.
* Used different Design patterns like **MVC pattern**, **DAO pattern**, and **singleton** to achieve clean separation of layers.
* Designed and developed the code using **multithreading**, **Collections** and other **J2EE** technologies.
* Developed DAOs using **Hibernate persistence API** for the database operations to interact with **Oracle database**.
* Written and executed various **SQL Queries& PL\SQL** programs to retrieve the data from the database Oracle.
* Used **Log4j, JUnit** and **developed unit test cases** to monitor the application functionality.
* Used **Tomcat** as a server to deploy the application.

**Environments: Struts, Core-JAVA, JSP, Servest, Hibernate, ORM, oracle, Multi- Threading, Collections, PL/SQL,**

**OO Design, OO Analysis, XML, XSLT, IBM Web Sphere, Log4J, JUnit,ANT, Eclipse.**