**Sandeep Reddy**

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**PROFESSIONAL SUMMARY**

* Having **7+ years** of professional IT experience in designing and developing of **Multi-Tier distributed**, **Enterprise applications** using **Object Oriented Programming** features of **Core Java, J2EE technologies** with Software Development Life Cycle (SDLC).
* Expertise in working with **Agile (SCRUM** and **XP)** and **Waterfall methodology** environments.
* Extensive experience in developing user interface using **HTML5, CSS3, JavaScript, jQuery, NodeJS, VueJS, Ajax, Bootstrap, ReactJS, AngularJS** and **Angular 4/6/8.**
* Expert in **Core Java** and implemented concepts like **Multithreading, Concurrency, Exception Handling, File handling**, **IO, Generics, Swings** and **collections** in various projects.
* Experience with **Java 1.8** features such as **Lambda Expressions** for making anonymous inline function calls by using **functional Interfaces** which makes code readable and concise and **Stream API.**
* Hands on experience in application development using **Spring 5.x, Struts** and **Hibernate 6.x** framework.
* Hands on experience in developing and solid understanding of **Micro-Services Architecture** and **Service Oriented Architecture.**
* Expertise in development of multi-tiered enterprise applications using **Java/J2EE** technologies like **Spring, Spring Boot, Struts, Servlets, JSP, Hibernate, EJB, JDBC, JMS, IBM MQ Series, JNDI** and **Web services (SOAP** and **REST).**
* Experience in building web-based enterprise applications using **Spring BOOT 2.x** and **Spring** framework features like **Spring IOC,** **Spring DAO, Spring ORM, Spring MVC, Spring AOP, Spring Context, Spring Security 5.x, Spring Core, Spring Batch** and **Web Services** using **Eclipse** and **integration** with **Hibernate** as well as **Struts.**
* Expertise in **XML technologies** such as **XSL, XSLT, XML schemas, XPath, XQuery** and **parsers like SAX, DOM**.
* Experience in working with **ORM** frameworks like **Hibernate**, **JPA (Java Persistence API)** and APIs such as **JDO (Java Data Objects).**
* Strong experience in **Postman** and **SOAPUI** web service testing applications.
* Developing inter-operable **Web Services** and its related technologies like **SOAP, WSDL, UDDI, XML, JAX-WS,** **JAXB, JAX-RPC** using tools like **Apache Axis, Apache CXF and wsimport.**
* Strong skills in RDBMS implementation and development using **SQL Server, Oracle, IBM DB2, MYSQL** andexperience in working with **SQL, PL/SQL** programming languages and **NoSQL databases** like **MongoDB**, **Dynamo DB** databases.
* Experience in using build tools like **Gradle, ANT, MAVEN** and **Jenkins** for the development of build artifacts on the source code and **log4J framework** for logging details.
* Experience in developing applications on **Windows, UNIX, Linux** and **Mac** platforms.
* Highly experience with Java complaint **IDE’s** like **Spring Tool Suite**, **Eclipse**, **IntelliJ** and **IBM** **RAD.**
* Experience in software configuration management using **Subversion (SVN), Git, Source Tree** as versioning software tools.
* Experience in working with continuous integration tools like **Jenkins** and bug tracking tool **Jira**.
* Experience in using **J2EE** **Application** Servers such as **Apache Tomcat, WebLogic 10/11g, IBM Web sphere, Glassfish and JBoss.**
* Experienced with **Middleware Technology Messaging Brokers** like **JMS** and **Active MQ** in **SOA(Service-oriented)** Architecture.
* Having experience with **Cloud Computing** Service environmentlike **Amazon Web Services (AWS**) and **Azure** **cloud** and managed **EC2, S3 bucket,** **Virtual Private Cloud (VPC)** through **AWS Console** and **API** Integration.
* Having experience with Cloud Computing Service environment like **Pivotal cloud foundry (PCF) and AWS** and used **Docker** for containerization.
* Experience in developing test casesbased on test first or **Test-Driven Methodology** using **JUnit, JMeter, Mockito.**
* Experience in writing **Shell scripts** using **bash, Perl**, for process automation of databases, applications, backup, and scheduling.
* Quick Learner, highly motivated team player with excellent organizational and analytical skills.
* Excellent communication and Analytical, Inter-personnel and presentation skills, Capable to meet tight deadlines and Team Spirit.

**TECHNICAL SKILLS:**

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| **Programming Languages** | C, C++, Java 1.8, J2EE and PL/SQL. |
| **Tools and Framework** | Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Security, Struts, JSF, JUnit, SOAP UI, Postman and JReport. |
| **J2SE/J2EE Technologies** | Java, J2EE, RMI, Sockets, JDBC, Servlets, JSP, JMS, Java Beans, JSTL, JSF, Jakarta Struts, EJB, Spring, Hibernate, JTA, JNDI, JPA JMS, Web Services (JAX-RPC, JAX-WS, SOAP, REST, WSDL, UDDI and RESTFUL), Groovy/Grails and Micro-service. |
| **Web Technologies** | HTML5, CSS3, JavaScript, ES6, jQuery, Bootstrap,ExpressJS**,** ReactJS, AngularJS, Angular 4/6/8, JSF, AJAX, NodeJS and JSON Restful. |
| **XML Technologies** | XML, XSL, DOM, SAX, DTD, XQuery, XSD and XSLT. |
|  | AWS EC2, S3, Dynamo DB, ELB and AWS Lambda. |
| **Databases** | Oracle, SQL-Server, MySQL server, MS SQL, IBM DB2, MongoDB and NoSQL. |
| **Web/Application Servers** | Apache Tomcat, IBM WebSphere, Glassfish, Web logic Application server and JBOSS. |
| **Build Tools** | ANT, Maven, Gradle, Docker and Jenkins. |
| **IDE / Tools** | Eclipse, IntelliJ, Spring Tool Suite (STS) and RAD. |
| **Testing Tools/ Others** | JUnit, Mockito, Soap UI, Log4j and JIRA. |
| **Version Control** | Tortoise SVN, CVS and GIT. |
| **Platforms** | Windows, Mac, Linux and Unix. |
| **Methodologies** | Agile, Waterfall and Test-Driven Development. |
| **Project Management Tools** | JIRA, HP Quality Centre (QC), Rally |

**PROFESSIONAL EXPERIENCE:**

**Client: USPTO, Alexandria, VA Feb’19 – Till date**

**Role: Full Stack Java/J2EE Developer**

**Description:**Peer Monitor is a dynamic live benchmarking program that provides real-time financial and economic data to help law firms compare themselves to selected peers. The information includes demand for legal services, fee rates, productivity, as well as expenses, can be broken out by practice group, office, and individual timekeepers. Typical users of this product tend to be in Finance and Billing roles. The implementation team works with law firms to install the Peer Monitor software onsite at a law firm. The team helps map items from a law firm’s FMS to existing categories. The data are then collected and displayed on the Peer Check website.

**Responsibilities:**

* Involved in all phases of the **Software Development Life Cycle (SDLC)** using **Agile Methodology.**
* Developed User Interface using **HTML5, CSS3, Ajax, JavaScript, VueJS, ExpressJS, Bootstrap, jQuery, NodeJS** and **Angular8.**
* Developed **Single page application** and structured the **JavaScript** code using **Angular8.**
* Maintained **Interface** compatibility and **concurrency** in the project using **Java 8** new features like **Lambda** **expressions,** **default**, **static methods, Functional Interfaces, Stream API** and **Concurrency** **API.**
* Implemented **sequential** and **Parallel Streams** with **multithreading** to reduce the execution Time.
* Developed **Angular8** custom directives and used Routes and Factory validations in **Angular8**.
* developed the **REST** based **Microservices** using the **Spring Boot**.
* New library development with **micro services** architecture using Rest APIs, **Spring boot** and pivotal cloud fundry.
* Worked on **Monitoring APIs** in **Spring BOOT Actuator** and Implemented **swagger** in **Spring BOOT** Rest Web services.
* Implemented **Spring BOOT AOP, Spring BOOT JPA, Spring BOOT** **Caching** in current application.
* Developed a job server (**REST API**, **Spring Boot**, **ORACLE DB**) and job shell for job submission, job profile storage, job data (HDFS) query/monitoring.
* Implemented **Spring boot microservices** to process the messages into the Kafka cluster setup.
* Migrating existing application into **Micro services** architecture using **Rest APIs, Spring boot, Spring Cloud config Netflix** (eureka, hystrix) and **AWS**.
* Worked on **Spring Framework 5.x** and **Spring BOOT 2.x** for Dependency and Transaction Management and implemented **multithreading, concurrency, exception handling and collections** whenever necessary.
* Developed server-side application to interact with database using **Spring Boot** and **Hibernate**.
* Used **Spring AOP** for solving crosscutting concerns like keeping customer log data and transactions details.
* Developed the persistence layer using **Hibernate Framework** by configuring the various mappings in **Hibernate** files and created **DAO** layer.
* Worked on **RESTful** Web services as well as **Node** **Rest** framework for backend services used **Oracle** for database services and **RESTful** web services using Jersey for **JAX-RS** implementation.
* Demonstrate exposure with Continuous Integration, Continuous Deployment to **DevOps** **CI/CD** tool Methodologies.
* Designed and developed Middle-tier components for company's object framework using best practices and **design Patterns** and used in **Model-View-Controller** (**MVC)**.
* Using **NodeJS** Developed Rest Services and integrated services.
* Secured the API's by implementing **Oauth2** token-based authentication/authorization scheme using **Spring Security**.
* Designed, built, and deployed a multitude application utilizing almost all of **AWS** stack (Including **EC2, S3,** **Dynamo DB, SQS and EMR**), focusing on high-availability, fault tolerance, and auto-scaling.
* Integrated Open **stack API** with **Amazon EC2** cloud-based architecture in **AWS**. Having experience with Cloud Computing environment and Utilized **Amazon Web Services** (**AWS**) **EC2** to deploy **Docker** containers.
* Used **Apache Kafka (Message Queues)** for reliable and asynchronous exchange of important information between multiple business applications.
* Installed, monitored and maintained the development infrastructure including **JIRA.**
* Worked on **Log4J** to validate functionalities and **Mockito** framework **JUnit** for **Unit testing** and executed **TDD** framework.
* Used **Git** to maintain the version of the files and took the responsibility to do the code merges and creating new branch when new feature implementation starts.
* Used **Maven** as build automation tool for deploying the project on **IntelliJ IDE.**

**Environment:** Agile Methodology, Java 8, J2EE, HTML5, CSS3, jQuery, Ajax, Rest API, Bootstrap, JavaScript, Angular8, NodeJS, Hibernate, Spring Framework, Spring MVC, Spring IOC, Spring boot, Micro services, Spring security, Spring Data, OAuth, JAX-RS**,** GIT, JUnit, Maven, Restful, Amazon Web Services (AWS), Oracle, IntelliJ IDE, JIRA, Jenkins, Docker, DevOps (CICD)

**Client: MUFG, Cincinnati, OH Feb’18 - Jan’19**

**Role: Sr. Java/J2EE Developer**

**Description:** SkyMiles are point based incentive program where customers can obtain ‘miles’ for travel and purchases. They can then be exchanged for tickets or other merchandise. The customers can update and access their information stored in the system through the Web, DL.com, Loyalty Web Apps. My project (MLW) is used for the way applications will bridge the gap between mainframe loyalty and SOA Services. This is like any data will go from Mainframe to SOA to Message queue and from there to other systems (MLW applications), these will be processing further like MQDB. The SOA and MQ network communicate to the mainframe CICS Server system which execute COBOL processes that access the DB2 data.

**Responsibilities:**

* Involved in all phases of the **Software development life cycle (SDLC)** using **Agile Methodology.**
* Developed User Interface using **HTML5, CSS3, Ajax, JavaScript, Bootstrap, jQuery** and **ReactJS.**
* Maintained **Interface** compatibility and **concurrency** in the project using **Java 1.8** new features like default, static methods, **Lambda Expressions, Streams** and Concurrency API.
* Designed and Implemented the application using various **Spring Framework** modules **Spring IOC, Spring MVC, Spring AOP, Spring Security, Spring Boot, Spring Web Flow, Spring Data, Spring Cloud, Spring Integration** and **Hibernate.**
* Used **Spring IOC** for dependency injectionand make the application loosely coupled and **Spring AOP** for logging purposes.
* Hands on Coding to build **REST Micro Services** using **Spring Cloud, Oracle, XSD, JSON, Spring Config, and Jenkins**
* Implemented the authentication, authorization and access-control features by using **Spring Security** and **LDAP.**
* Implemented **Restful** and **SOAP** based web services using **JAX-RS** and **JAX-WS** respectively.
* **Micro Services** were being used as a strategy to gradually replace a core monolithic application while still adding business features.
* Designed and developed **Micro Services** business components and **Restful service** endpoints using **Spring Boot.**
* Implemented **Restful** Web Services to retrieve data from client side using **Micro Services** architecture.
* Developed **Micro Service** to provide **Restful** **API** utilizing **Spring Boot** with **Spring MVC.**
* Secured the API's by implementing **OAuth 2.0** token-based authentication/authorization scheme using **Spring Security**.
* Managed **Amazon Web Services (AWS)** like **EC2, S3 bucket, ELB, Auto- Scaling, AMI, IAM** through **AWS Console** and **API Integration.**
* Responsible for creating an **Amazon EC2** instance using **(AWS) Elastic Bean Stalk** and deploy the application on it.
* Used **Docker** to containerize the Services and **APIs** to run on **EC2** instances and Implemented the build stage to build the **Micro Service** and push the **Docker Container** image to the private Docker registry.
* Implemented **Asynchronous messaging** between components using **JMS**.
* Used **Spring Data** Framework to use the features of **Spring JDBC** and **Spring ORM** classes like **JDBC Template** and **Hibernate Template** to perform the database operations by connecting to Data sources available.
* Developed the test cases with **JUnit** and **Mockito** framework to test the application functionalities and **Log4j** for logging purposes.
* Used **Gradle** as a build automation tool and deployed the application on **Web Sphere Application Server.**
* Responsible for **Continuous Integration (CI)** and **Continuous Delivery (CD)** process implementation using **Jenkins** along with **UNIX** Shell scripts to automate routine jobs.
* Used **Git** to maintain the version of the files and took the responsibility to do the code merges from branch to master and creating new branch when new feature implementation starts and **IntelliJ** as **IDE.**

**Environment**: Agile Methodology, Java 1.8, J2EE, HTML5, CSS3, jQuery, Ajax, ReactJS, Spring IOC, Spring MVC, Spring AOP, Spring Security, Spring Boot, Spring Data, RESTful services, SOAP, Micro Services Architecture, Amazon Web Services, Hibernate, JDBC, Oracle, Mongo DB, JUnit, Mockito, Gradle, Web Sphere Application Server, Jenkins, Git and IntelliJ.

**Client: Cigna Healthcare, Windsor, CT Aug’16 – Jan’18**

**Role: Java/J2EE Developer**

**Description:** One view is a web-based application helping Customer Services people to view Benefit Plan information for Customers, health care providers. The application helps to resolve; track customer queries online by reducing overall time. The current project is reengineering the old application by replacing outdated Cordiant service layer with Restful Services and Spring Integration framework improving performance and scalability.

**Responsibilities:**

* + Used **Agile** methodology and actively participated in **Scrum** meetings to produce quality deliverables within time.
	+ Worked on High level and low-level system design, planning, estimation and implementation.
	+ Developed presentation layer using **JSP, HTML5, CSS3, Angular4, Node.js, Bootstrap, ExpressJS** and client validation using **JavaScript.**
	+ Handled all the client-side validations, slide show, hide and show controls, dropdown menus and tab navigation using **jQuery.**
	+ Developed the application using **Java 1.8** and implemented its features like **Lambdas Expressions, Time API, Streams, functional interfaces, collectors, default methods, type interfaces, foreach.**
	+ Worked on development and implementation of the **MVC** Architectural pattern using **Spring Framework**.
	+ Extensively used various **Spring Framework** modules like **MVC, Dependency Injection (IOC), Auto Wiring, Spring Security and AOP**. Created and injected **spring services**, **spring controllers** and **DAOs** to achieve dependency injection and to wire objects of business classes.
	+ Used **Spring MVC** framework at the Web tier level to isolate each layer of the application so that complexity of integration will be reduced and maintenance will be very easy.
	+ Used **Spring AOP** for solving crosscutting concerns like keeping customer log data and transactions details.
	+ Implemented Batch jobs to deal with large number of chunks using **Spring Batch Framework** to execute the similar jobs simultaneously.
	+ Create and configured the continuous delivery pipelines for deploying **Micro Services** and **Lambda functions** using **Jenkins** **CI** server.
	+ Developed a **RESTful** based service for data retrieval to make it independent of the current application.
	+ Worked on **XML** and **JSON** for transferring and retrieving data between different applications.
	+ Excellent in deploying the applications in **AWS** as **EC2** instances and create snapshots for the data that must be stored in **AWS S3**.
	+ Utilized **Amazon** Web **Services** (**AWS**) **EC2** to deploy **Docker** containers.
	+ Enterprises Integrated Pattern Implemented with **Apache Camel (ESB).**
	+ Wrote services to store and retrieve user data from **Oracle** and **MongoDB** for the application on devices.
	+ **WebSphere** is used as an Application Server to Deploy the Application.
	+ Experience in using **JUnit** and build tools such as **MAVEN.**
	+ Collaborated with testers and developers and prepared test plans for producing high quality software applications.
	+ Worked on **Log4j** for logging errors, messages and performance logs

**Environment:** Java 1.8, J2EE, HTML5, CSS3, jQuery, Bootstrap, JavaScript, Angular 4/6, NodeJS, Hibernate, Spring MVC, Spring IOC, Spring boot, spring security, XML, GIT, JSP, JUnit, Maven, IBM WebSphere, Apache, JAX-RS, Restful, Amazon Web Services (AWS), Micro Services, Log4J, Oracle, Mongo DB, WSD and Spring Tool Suite.

**Client: Sonata Software , Hyderabad. India Mar'15 – July'16**

**Role: Java Developer**

**Description:** Sonata is a global software services company focused on helping you make an impact on business and drive value through your IT investments. We do this by bringing the depth of domain knowledge, technology expertise and client commitment to help deliver on strategic new IT solutions.

**Responsibilities:**

* Involved in **SDLC**– Requirements gathering, Conceptual Design, Analysis, Detail Design, Development, System Testing and User Acceptance Testing.
* Used **Agile approach** for the Software Development and Developed user interface with **Servlets and JSP**.
* Also, worked with the PDF and EXCEL format file download of user data on JSP’s when user wanted to save his/her personal data on **JSP page tables**.
* Involved in implementing the **DAO pattern** for database connectivity and used the **JDBC API** extensively.
* Designed and developed the UI using **JSP, HTML, CSS and JavaScript**.
* Experience in implementing, working on the **Python** code using shell scripting. Performed troubleshooting, fixed and deployed many **Python** bug fixes.
* Responsible in creating **Servlets**, which route submittals to appropriate **Enterprise Java Bean** (EJB) components and render, retrieved information.
* Implemented **Use Case Diagrams** and **Sequence Diagrams** during the design phase using Rational Rose.
* Used **Multi-threading** for performance tuning.
* Extensively used **WSAD** while writing code & used **VCS** for version control.
* Deployed applications on **Apache Tomcat** application server instances in all the respective environments.
* Deployed and tested the prototype on **Apache Tomcat** and contributed to deployment and maintenance on **Apache Tomcat Server.**
* Used **ANT** scripts to build the application and deployed on Web Sphere Application Server
* Built scripts using **ANT** that compiles the code, pre-compiles the **JSPs**, built an **EAR** file and deployed the application on the application server.

**Environment:** Java, Apache Tomcat5.x, Servlets, JSP, Multi-threading, XML, EJB, ANT, JDBC, Oracle, UML, HTML, CSS, JavaScript, Agile Methodology, EAR.

**Client: Infotech, Hyderabad, India Jun'13 – Mar'15**

**Role: Java Developer**

**Description:** The objective of Item Management is to set-up, maintain, and share Item information in a flexible system that easily supports Unilever’s growth, increases speed to market and improves data accuracy, while reducing user workload. Guided Setup is one module of the project which functions as a wizard to complete the configuration and creation of various types of items like Single Items, Multiple Items and Assortment Items.

**Responsibilities:**

* Developed web application using **Struts 2.X**, **JSP, Servlets, Java beans** that uses MVC design pattern
* Created user-friendly GUI interface and Web pages using **HTML, CSS** and JSP
* Wrote JavaScript for client-side validation.
* Used Eclipse as IDE tool for creating **Servlets**, **JSP**, and **XML**.
* Wrote SQL for JDBC prepared statements to retrieve the data from database.
* Monitored the logs using **Log4J** and fixed the problem
* The application was deployed on the **Tomcat.**
* Involved in build and deploying the application using ANT
* Used **CVS** as version control system
* Worked on bug fixing and Production Support

**Environment**: Java, JDBC, Struts2.1.6, JavaScript, HTML, CSS, JSP, Servlets, Apache Tomcat 5.x, Oracle, Eclipse IDE,

CVS, ANT, Log4J.