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# Pradeep Reddy

***Senior Software Engineer***

## PROFESSIONAL SUMMARY

* Around 8+ years of professional IT experience in Software Development Life Cycle, Object Oriented Programming that includes requirement **Analysis**, **Design**, **Development**, **Implementation** and **Testing of Web Based/Mobile, Client/Server, and Database applications.**
* Expert in various **Agile methodologies** like **Scrum, Test Driven Development (TDD), Incremental and Iteration methodology,** AgileDevelopment Testing using Software Development Life Cycle.
* Expertise in implementation of J2EE Technologies**: JSP, JTS, Servlets, JSF, JSTL, EJB**transaction implementation**, JMS, Struts, Swing, Hibernate, Java Beans, JDBC, XML, Web Services.**
* Experience in developing web applications on MVC based frameworks like**Spring, Spring IOC, Spring Security, Spring Boot, Spring Cloud, and Spring MVC.**
* Experience in AWS,**Hortonworks, and Cloudera Hadoop distributions.**
* Experience in Hadoop architecture and various components such as **HDFS, Job Tracker, Name Node, Data Node, MapReduce, and Yarn concepts.**
* Experience in creating a responsive single-page application using **React**and **RESTful APIs.**
* Experienced in developing front end applications using **HTML/HTML5, CSS, Bootstrap, ReactJS, Angular JS**and developing dynamic web pages.
* Have knowledge on partition of **Kafka** messages and setting up the replication factors in **Kafka Cluster**.
* Implemented **Kafka**producer and consumer applications on Kafkacluster setup with help of Zookeeper.
* Implemented contracts administrator service using**Kafka** and **Java.**
* Expertise in JAVA 8 features like**Stream API, Time API, Functional Interfaces Multithreading, Transaction Management, Exception Handling, Collection API.**
* Expertise in **Generics**, **Enumeration**, **Data Structures** (Queue, Linked List and Sorting Algorithms).
* Used popular **Node.js** frameworks like Express and **Restify** to mock a **Restful API.**
* Strong experience in Securing **API's** using **OAuth2.0** token-based authentication/authorization scheme using Spring Security.
* Strong experience in using **XML** Suite technologies **(XML, XSL, XSLT, DOM, SAX, DTD, XSD, XPATH, JAXP, JSON, JAXB, JAXWS).**
* Actively involved in **Service Oriented Architecture** (SOA) and **Microservice Architecture** using web services.
* Experience in database development and implementation using different **RDBMS** such as **Microsoft SQL Server, ORACLE, MySQL, PostgreSQL** and **DB2** and **NoSQL** databases such as **MongoDB, Cassandra.**
* Experience with creating script for data modeling and data import and export. Extensive experience in deploying, managing, and developing **MongoDB** clusters. Experience in creating JavaScript for using **DML** operation with **MongoDB**.
* Experience in **JMS** over messaging to exchange information in more reliable and asynchronous way in enterprise Applications. Used **Apache Active MQ, Rabbit MQ, and AMQP as JMS provider**.
* Experience in handling messaging services using **Apache Kafka.**
* Experience in development, deployment and troubleshooting Web based and enterprise-based applications on**Windows, UNIX**and **Linux platforms.**
* Experience in using build/deploy tools such as **Jenkins**, **Docker** and **AWS** for Continuous Integration & Deployment for Microservices.
* Highly experienced in **AWS** Cloud platform and its features which includes Amazon **AWS Cloud** Administration which includes services like: **EC2, S3, EBS, VPC, ELB, AMI, ECS, X-Ray, KMS, RDS, SQS, ECR, EFS, IAM, ASG, Glacier, SNS, SWF, SES, ELASTIC BEANSTALK, Route 53, Auto scaling, LAMBDA, API Gateway, Elasti Cache, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, OPS Work, Security Groups.**
* Strong capability in Application Servers like **Web Logic**, **Apache Tomcat/Camel, Web Sphere, Glassfish** and **JBoss.**
* Experience in writing **ANT, Gradle, Maven** and **Jenkins**building scripts, writing unit test cases using **JUnit, Mockito, Easy Mock, TestNG** and **used Log4j, Slf4j, Log Insight** for bug tracking.
* Experienced in using Version Control Tools such as **Git, Subversion, CVS, and Clear Case**.

**TECHNICAL SKILLS:**

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| Operating Systems | Windows 7, UNIX, OSX, Linux. |
| Languages Known | Java, JavaScript, Typescript,Python. |
| J2EE MVC Frameworks | Java, J2EE, RMI, Spring, Spring boot, Liferay DXP 7.0 / 6.x, IBM WebSphere portal, Sockets, JDBC, Servlets, JSP. |
| ORM Frameworks | JPA, Hibernate. |
| Web/Application Servers | Apache Tomcat 5/6/7, JBoss EAP 7.x, WebLogic, Web Sphere 9.x/8. x. Jetty. |
| Databases | Elasticsearch, MongoDB, Oracle 9i/10g, MySQL, LDAP AD. |
| Database tools | Kibana, SQL Developer, TOAD, DB2 Connect. |
| Web Service Implementation Frameworks | JAX-RS 🡪 Jersey 2.x, Apache CXF, Restlet APIand Apache Camel. |
| Web Technologies | HTML, CSS, JavaScript, jQuery, React JS, Angular JS, Angular 4.X & Angular JS 1. X, Node.JS,Bootstrap. |
| IDEs | Eclipse, IntelliJ Idea, Liferay Developer Studio 1.6.1. |
| Defect Tracking Tools | JIRA, Clear Quest, Quality Center. |
| Build Tool | Apache Ant, Maven. |
| Automation tools | Jenkins, Docker, Kubernetes, and Bamboo. |
| Version Control System | GitHub, Bitbucket, Subversion, Tortoise SVN Client, Team Foundation Server. |
| Methodologies | Agile, Scrum, Waterfall. |

**PROFESSIONAL EXPERIENCE:**

**Client: USAA, TX Dec 2021 – Present**

**Role: Java Application Developer** b

**Responsibilities:**

* Following Agile (Scrum) Methodology for developing application development.
* Developed Web Pages for consumer applications at enterprise level using JavaScript, Vue JS.
* Angular JS, Node.JS, Hapi, Fastify, Bootstrap and CSS3 in multiple projects in different quarters.
* Designed various prototypes and projects layouts including UI development using Node JS and JavaScript.
* Developed powerful Single Page Application and dynamic responsive Web Application with Angular7.
* Worked with Angular 7Controllers, Directives, Services, Pipes, Guards, Angular Routing.
* Developed modules using Core Java APIs, Collections, Java 1.8 (Streams), Jordan API (Dates), Multi-

threading, Exception Handling, Generics, Enums, Java I/O and object-oriented designs patterns.

* Used Microservice architecture with Spring Boot-based services interacting through a combination of REST and Apache Kafka message brokers.
* Closely worked with Kafka Admin team to set up Kafka cluster setup on the QA and Production

environments.

* Used Spring Kafka API calls to process the messages smoothly on Kafka Cluster setup.
* Used JAX-RS for creating Restful web service and implemented authentication by using OAuth2 Security

Framework.

* Good at schema design and data modeling on HBase.
* Developed a data pipeline using Kafka and Storm to store data into HDFS.
* Development of Python APIs to dump the array structures in the Processor at the failure point for debugging. Handling Web applications - UI security, logging, backend services.
* Involved in converting Hive/SOL queries into Spark transformations using Spark RDDs and Scala.
* Applied write concern for level of acknowledgement while MongoDB write operations and to avoid rollback.
* Experience in creating JavaScript for using DML operation with MongoDB.
* Deployed Spring Boot based micro services Docker container using Amazon EC2 container services and
* using AWS admin console.
* Provisioned the highly available EC2 instances using Terraform and cloud formation and wrote new plugins to support new functionality in Terraform.
* Created Oracle tables with Primary Keys/Indexes and Partitions.
* Analyze Oracle tables at regular intervals or whenever necessary for data population.
* Knowledge on Node.js environment set-up and interacted Node Service team to get the Service.
* Implement modules into Node.JS to integrate with designs and requirements.
* Utilized AWS Lambda platform to upload data into AWS S3 buckets and to trigger other Lambda functions.
* Administered and deployed applications into WebSphere Application Server, Setup CI/CD pipeline process for the application using the Jenkins.
* Involved in using Data Structures like Queue, Linked Lists, Sorting Algorithms.
* Analyze &amp; Design user stories and perform code reviewing activities.
* Developed Test Cases and performed unit test using JUnit with Mockito Framework.
* Developed and performed test cases using Jasmine and Karma for front end unit testing.
* Tested REST API using REST Assured framework.
* Design Shell scripts to filter and transform the huge amount of data in troubleshooting the issues.
* Created JSON request and validated the response using postman Interceptor and Swagger UI.
* Used Log4j for logging and tracing messages.
* Use JIRA tool for tracking new requirements, enhancements, bugs, and Git for version control.
* Document all the implemented features, enhancements, and improvements in a confluence page.

**Environment**: Agile methodologies, JavaScript, Vue JS, Angular JS, Node.JS, JSON,JIRA, Bootstrap, HTML, CSS3, Core Java APIs, Collections, Java 1.8 (Streams), JordanAPI (Dates), Multi-threading, Kafka, Exception Handling, Generics, Enums, Java I/O, object-oriented designs patterns, Microservice, Apache Kafka, Rest API, Spring Boot, Spring IOC, SpringAOP, Spring Annotations, Spring Cloud, Hibernate/JPA, JAX-Rx, Hibernate TransactionManagement, MongoDB, Hibernate Batch Transactions, Hibernate Cache Concepts, Docker, AWSLambda, Oracle, SQL, CI/CD, Jenkins, Junit, Mockito, Log4j.

**Client: United Airlines, IL Oct 2019 – Nov 2021**

**Role: Java Application Developer**

**Responsibilities:**

* Followed AGILE Methodology with SCRUM Meetings and involved in maintaining Sprint backlogs during the development cycles.
* Experience in creating dynamic web interfaces utilizing modern JavaScript frameworks such as jQuery, Bootstrap, Angular JS.
* Used AWS S3 buckets for online backup and archiving of the data. Used Amazon Web Services (AWS) like RDS, cloud watch and Cloud Front for promoting code in various environments.
* Integrated Open stack API with Amazon EC2 cloud-based architecture in AWS.
* Created tables, triggers, stored procedures, SQL queries, joins, integrity constraints and views for multiple databases, Oracle using Toad tool.
* Using Eclipse as IDE configured and deployed the application onto Tomcat server.
* Used Micro-services to ensure the scalability of application on cloud infrastructure.
* Used MySQL database and written number of SQL queries for retrieving the data and validated that data against the business rules.
* Used JIRA tool for Issue/bug tracking, monitoring of work assignment in the system.
* Used TCP/IP to exchange messages with other internet points at the information packet level.
* Developed GIT to track and maintain the different version of the project.
* Involved in developing code for obtaining bean references in Spring framework using Dependency Injection (DI) and Inversion of Control (IOC).
* Developed Graphical User Interfaces using UI frameworks AngularJS and Webpages using HTML and JSP for user interaction.
* Developed the UI Layer using JSP, JavaScript, jQuery, JSTL and XML.
* Developed the custom Logging framework used to log transactions executed across various applications using Log4j.
* Worked with executed unit test cases by using JUNIT for accuracy of code.
* Developed classes for better data exchange between the MVC layers.
* Node JS for building server-side API’s.
* Used JUnit to write repeatable tests mainly for unit testing.

**Environment**: Agile methodologies (SCRUM), HTML5, CSS3, JavaScript, jQuery, Angular 5,Bootstrap, TypeScript,HTTP,Node.js,RESTful,SQL,Microservices,Hibernate framework,Spring IOC, Spring MVC, Spring Annotations, Spring AOP, Spring Integration, frameworks,RESTful webservices, Oracle, Java 8 Lambda, SOAP, JAX-WS, JAX-RS, XML, JSTL, MongoDB,JMS, Jenkins, Gradle, AWS, GitHub, Log4j, Junit, JIRA, IntelliJ IDEA IDE.

**Client: First Republic Bank San Francisco, CA Oct 2018– Sep 2019**

**Role: Software Developer (Life ray Portal and J2EE Developer)**

**Description:**Currently, Private wealth management online site has a separate login along with online banking. The proposal of the project is to integrate all applications provided by online banking, private wealth, investments, and other services are integrated on one single portal page with just one-time login to access all applications.

**Responsibilities:**

* Developed PWM portlets using **Liferay Spring MVC** framework.
* All applications are developed and implemented on **JSR 286(Portlet 2.0) API.**
* Developed Restful web services named as PWM Enterprise APIs using Apache **CXF**.
* Developed custom hook to override **Liferay 6.2** default JSP Pages.
* Used **MongoDB** document database to store data and developed DAO layer to access it.
* Used **AngularJS 1.x** in front end Script framework for filtering, searching and for making Ajax calls.
* Used **JUnit** for writing unit and integration tests.
* Used **IBM RSA7.0** as the development environment to build the application.

**Environment:** Java 1.8, Liferay Portal DXP 7.0 & 6.2, Spring MVC, Restful Services, Apache CXF, SOAP, Jackson 2.x, Hibernate 4.x, Sql Server, JQuery, Angular JS 1.x, Veracode Scanner, log4J, Jenkins’s automation, Ant, Team Foundation Server.

**Client:** **Innominds Software - Hyderabad, IndiaDec 2016 – Dec 2017**

**Role:** **Software Developer (Web/J2EE)**

**Responsibilities:**

* Developed credit account services (CAS) and credit statement services (CSS) using Restlet API and **Spring MVC**.
* Developed **Restful** based web services using **Restlet API** with the JSon response.
* Developed **Templates and Structures** to maintain web content and related **themes**.
* Used **Hibernate** to communicate with the database, mapping the entities to the tables and corresponding columns in the database by using Hibernate annotations.
* Developed all Unit, Integration testing using **TestNg** framework and mocking the input data using **Mockito** framework.
* Working on **Rest assured** testing framework to test the developed restful web services.

**Environment:** Java 1.7, Spring 3.2, **Hibernate**, Web services WSDL, Restlet Api, Jboss application server, Tomcat Apache Server 7.0.42, IntelliJ IDE, Oracle DB, SQL Server, Maven, JSP, JSTL, JavaScript, AJAX, jQuery 1.6, JUNIT 4.0, Log 4J, Rest Assured.

**Client:** **Couth InfoTech Pvt. Ltd, IndiaJun 2014 - Nov 2016**

**Role: Java Developer**

**Responsibilities:**

* Use HTML5, CSS3, JavaScript, JSP, JQUERY, AJAX and Bootstrap for designing interactive web applications.
* Implement the technical transformation for the front-end using AngularJS and ReactJS.
* Implement client-side validations using AngularJS framework.
* Gather, review requirements, and implement a web application that fetches cleaned &amp; well-organized data and visualizes the Data.
* Develop Spark Applications using Java, Scala, and Implement Spark data processing project to handle data from various data sources &amp, Streaming sources.
* Implementing Spark RDD’s in Scala.
* Gather Raw Data from various data sources and store the Raw Data in MongoDB.
* Perform sentimental analyses and Data analytics on healthcare products to identify the useful patterns in the Data.
* Implement Sentimental Analyses Algorithms and Data Analytics Algorithms in Java.
* Use Core java concepts with Multithreading, Collections, I/O, and Exception Handling for complexbusiness requirements.
* Develop an application to interact with MongoDB database using JDBC to retrieve the clustered data.
* Implement view components using JSP along with java servlets to handle business logic.
* Visualize the data using D3.js through JSP in the form of pie charts, word cloud etc. in a way that helps the client to make critical business decisions.
* Co-ordinate with QA lead for development of test plan, Test management and defect management.
* Develop test cases for Persistence layer and Business layer to perform the unit level testing.
* Designed, Debugged and Developed applications using Integrated Development Environment (IDE)
* IntelliJ IDE.
* Participate in functional testing for the developed application.
* Document all phases of the project and implemented system changes in accordance with the objectives and requirements and developed user documentation.

**Environment:** Agile, HTML, CSS, JavaScript, jQuery, AJAX, AngularJS, XML, JSP, Java, J2EE,Mongo DB, NoSQL, Socket Programming, IntelliJ, D3.js, JDBC,EJB, JavaBeans, Spark,Scala, Linux, Integrated Development Environment (IDE) IntelliJ IDE.

**Education Details:**

Masters: 2018-2019 computer science from University of New Haven

Bachelors: 2014 computer science engineering from Jawaharlal Nehru Technological University