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**Krishna Rajendra ** 

**M: +1 (469)-746-9211**

**Sr. Java/ J2EE Developer**



**Professional Summary:**

* Around **8** **years of experience** in Software Development Lifecycle (SDLC) core areas such as Analysis, Design, Implementation, Testing and Deployment of Object Oriented, Client-Server, Web-Based, Distributed and Enterprise Applications with **Java/J2EE technologies**.
* Strong experience in Software Development Methodology such as Agile (Scrum) Methodology, Iterative and Waterfall.
* Extensive experience with both Core and Advanced Java concepts which include Java, Servlets, JSP, Java Script, JDBC, JSF, XML**, EJB, Struts, Spring MVC, Ajax, Hibernate, JDBC, and Web Services.**
* Extensive knowledge in Front End technologies like JQuery, JavaScript, HTML, XML and CSS.
* Seasoned professional in various frameworks like: **Struts, Hibernate 3.0s, Spring 4.0, JSF.**
* Extensive work experience in **JSP, Servlets, JavaScript, JDBC.**
* Expert in Core Java and implementing concepts like **Multithreading**, **Concurrency**, **Exception Handling**, **File handling**, IO, **Generics** and Java **collections** in various projects.
* Extensive Knowledge on databases like **Oracle, DB2 and MySQL.**
* Developed **ANT** scripts, and used the MAVEN tool to build and deploy **J2EE** Applications.
* Involved in writing **java API** for Amazon Lambda to manage some of the **AWS** services.
* Experience **in Enterprise Integration Development** using **Apache Camel Framework.**
* **Developed integration techniques using the Apache camel and Apache Active MQ technologies.**
* Hands-on experience in configuration and deployment of multi-tier applications using servers like **WebSphere, WebLogic, Tomcat.**
* Good knowledge of other services in **AWS** like Cloud front, Glacier, Cloud Trail and Simple Notification Service (SNS
* Hands on Experience in AWS Cloud in various AWS Services such as **Red Shift, Cluster, Route53** Domain configuration.
* Hands-on experience with an in-depth level of understanding in the strategy and practical implementation of AWS cloud-specific technologies like Elastic Compute Cloud **(EC2),** Simple Storage Services (**S3**), Route 53, **Cloud Formation, Elastic IPs, RDS** and Cloud Watch.
* Managing **Amazon Web Services (AWS) infrastructure** with automation and configuration management tools such as Chef, Puppet.
* Experience with designing and configuring secure **Virtual Private Cloud (VPC**) through private and public networks in AWS and create various subnets, routing tables, and internet gateways for servers.
* Extensive experience in SOA (Service Oriented Architecture) and experience in developing web services using **Axis, WSDL, SOAP, REST, UDDI, WS Security, XML-RPC** and **JAXB/JAXP**.
* Extensive experience working in **Spring 3.0-4.0 framework, Struts framework,** O/R Mapping Hibernate 3.x framework and web services (**SOAP and RESTful**)
* Strong experience in writing **SQL Queries,** stored procedures, joins and Triggers.
* Very good knowledge in writing Shell, **ANT** scripts for building the projects.
* Good understanding of **NoSQL** Databases and hands on work experience on **Cassandra** and **Mongo DB**.
* Development web components using J**SP, Servlets** and **server side components** using **EJB 3.0** under J2EE Environment.

**EDUCATION:**

Bachelor’s in Electrical and Electronics Engineering **(JNTUK).**

Master’s in Computer Science **(Northwestern Polytechnic University).**

**TECHNICAL PROFICIENCIES:**

| * C, C++, Java & J2EE * Struts, JSF and Spring * Oracle 9i/10g/11g, DB2, MySQL and SQL Server * WSDL, SOAP, AXIS, JAX-WS, REST-Jersey, UDDI, and WS-Security. * Hibernate, i-Batis * JUNIT, Mockito, SOAP UI | * JavaScript, * Eclipse, My Eclipse, Net Beans and IntelliJ | * SVN, CVS and IBM Clear Case * QC, Jira, Rally, Clear Quest * Web sphere, Web Logic, Apache Tomcat & HTTP Server * WIN NT/2000/XP/2003, Unix, DOS and Windows 7 |
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**United Health Group, Dallas TX, NOV 2021 to Present**

**Sr. Java J2EE Back End Developer**

**Project Description:** Developed Java based enterprise applications using java microservices spring boot, this project is about the joint issue management(JIM). Jim filters data using Jim filter microservice and segregates data into separate topics for systems to consume from. Consumer service will read the data and create the issue in target system, target system will send update back to source system using java micro service application. All the records will be saved in snowflake database.

**Responsibilities:**

* Designed and developed using the **Java** Rest API with **Java 8, 11** features and other java processes to fulfill business case requirement, such clients account statements and clients running balance based on each transaction.
* Involved in various phases of **SDLC** as requirement gathering, data modelling, design, analysis and development for the project.
* Used **Kafka as the messaging system** to consume messages using Spring Boot 2.0, created the producer topic, consumer topic, error topic scenarios.
* Involved in building a web service to provide access to the models and exposed it using a REST API that emits JSON.
* Implemented **Micro services** architecture using **server side** technologies to make application smaller and independent and developed **microservices** and restful service endpoints using **Spring Boot 2.0**.
* Designed the performance testing repository using Jmeter, created the test plan and executed in bluejay dashboard.
* Involved in setting up the **grafana** dashboard to view the data details like number of messages received, processed and failed.
* Migrated the application which is deployed in **openshift** to **kubernetes** platform.
* Responsible for creating the ingress-config, deployment.yml, host details in the application which are used to deploy the sprint boot application in **kubernetes** platform.
* Created the performance testing test plans and test data to check the performance of our spring boot application from scratch using **Jmeter**.
* Used **Spring Integration** to communicate with different web Services.
* Developed **REST services** using spring and Used **JAXB API** for **XML** parsing.
* Used CI/CD like **Jenkins** and **Docker** to deploy our application to **Kubernetes** and monitoring logs accordingly.
* Used **GIT** for version repository maintenance.
* Used My Eclipse IDE and **Intellij** configured and deployed the applications onto Apache Tomcat 7.0and Apache Tomcat 8 application servers.
* Used **sonarqube** and **veracode** for security scans, created the sandbox scans and promoted to policy scans and responsible for remediating the findings from the scan.
* Used **Splunk** and **Kibana** to view production logs.
* Involved in prod support and on call support whenever there is release.
* Responsible for leading the offshore team on requirement gathering and helping them.

**Environment:** Agile methodology, Java, J2EE 1.8,11, Kafka Streams, New Relic, Grafana, Jiira, Spring Boot 2.0, Openshift, Sonarqube, Veracode, Kubernetes, Jenkins, Docker, snowflake, Rest API, Web services, postman, Jmeter, SOAP UI, JPA, Splunk, Kibana and JSON.

**Express-Scripts/Cognizant, Memphis, TN May 2019 to Oct 2021**

**Sr. Java J2EE Back End Developer**

**Project Description:** Developed Java based enterprise applications, this project is about the customer Prescription, Order and Shipment this is the migration project from SQL database to Mongo DB using web services with spring boot 2.0, Jenkins, PCF deployed to server using CI/CD pipeline.

**Responsibilities:**

* Designed and developed using the **Java** collection API with **Java 8** features and other java processes to fulfill business case requirement, such clients account statements and clients running balance based on each transaction.
* Used **Kafka Steams** to consume messages using Spring Boot 2.0, created the producer topic, consumer topic, error topic scenarios.
* Used **double branch** technic from **Kafka streams** to filter the messages and send to corresponding topics either success or error.
* Used **Kafka** streams to read messages and exposed to **AWS** endpoints using **Rest** Template.
* Used **Test Harness** frame work to test our API which we have developed.
* Used CI/CD like **Jenkins** and **Docker** to deploy our application to **PCF** and monitoring logs accordingly.
* Used spring annotations like **Configuration Properties** to update the flag dynamically from **config** server.
* Used **New Relic** Monitoring and **Grafana** Monitoring to check the health condition of our services whether they are consuming messages or not.
* Used **Grafana** Framework to get the Success count and Failed count at the time of OTL (One Time load).
* Used Spring boot framework for design, development and implementation of application.
* Involved in using **JPA** (Java Persistence API) frameworks and APIs such as Hibernate and JDO (Java Data Objects).
* All the functionality is implemented using Spring Boot and Hibernate ORM. Implemented Java EE components using Spring boot.
* Used **Splunk** and **Kibana** to view production logs.
* Used **Hibernate** framework and its caching mechanism to persist large amount of trade/order data with database.
* Used spring framework for dependency injection and integrated it with **Hibernate**.
* Used **GIT** for version repository maintenance.
* Developed unit and integration tests for existing Microservices using Junit.
* Confirm unit tests and code coverage using **JUNITs.**

**Environment:** Agile methodology, Java, J2EE 1.7,1.8, Kafka Streams, New Relic, Grafana, Jiira, Spring Boot, cucumber, PCF, Jenkins, Docker, Oracle11, Web services, Java, SOAP UI, JPA, Splunk, Kibana and JSON.

**Best Buy/Nexient, Minneapolis, MN April 2018 to April 2019**

**Sr. Java J2EE Back End Developer**

**Project Description:** Developed Java based enterprise applications, this project is about the customer appointment scheduling, this is the migration project from SQL database to Cassandra using web services with spring boot, MVC, Jenkins, open shift deployed to server using CI/CD pipeline.

**Responsibilities:**

* Developed **Restful** Micro Services using **Spring** **REST** and **MVC** and used **swagger** for manual testing and documentation of **Micro** **Services**.
* Wrote **Micro services** to export/import data and task scheduling and **spring boot**, **spring** and **Hibernate** in the **micro services** and **Swagger API** for Micro services.
* Used **Spring Integration** to communicate with different web Services.
* Developed **web services**, **SOAP** message envelopes and headers using **WSDL, UDDI, XML and JAXP**.
* Developed **REST services** using spring and Used **JAXB API** for **XML** parsing.
* Involved in building a web service to provide access to the models and exposed it using a REST API that emits JSON.
* Performed CRUD operations on DB using restful web services.
* Used various Core Java concepts such as Multi-Threading, serialization, Garbage Collection, Exception Handling, Collection API's to implement various features and enhancements.
* Used My Eclipse IDE and **Intellij** configured and deployed the applications onto Apache Tomcat 7.0and Apache Tomcat 8 application servers.
* Extensively worked on consuming **RESTful** API using **Spring boot** REST Template for the View Layer to consume.
* Designed and developed using the **Java** collection API with **Java 8** features and other java processes to fulfill business case requirement, such clients account statements and clients running balance based on each transaction.
* Implemented JAVA/J2EE design patterns such as Factory, DAO and Singleton.
* Worked on integrating **SOAP** Web Services exposed through OSB and BPM using proxy Clients.
* Used **Jenkins** for continuous integration and to automate and build the application to generate WAR and JAR files.
* Implemented **Micro services** architecture using **server side** technologies to make application smaller and independent and developed **microservices** and restful service endpoints using **Spring Boot**.
* Implemented various modules of Spring like Spring IOC for dependency injection, Spring AOP for cross-cutting concerns.
* Deployed the application using Jenkins to create an image in the open shift, tested the Api with zuul.
* Used the **hystrix** as a breaker to the application which I designed.
* Implemented REST Web Services and performed the HTTP operations like **GET, POST, PUT, Delete**.
* Designed services to store and retrieve user data using database like **Cassandra** and communicated with remote servers using **REST** enabled Web Services on Jersey framework.
* Involved working on performance tuning of multiple **microservices** and was successful in achieving the required results.
* Used **GIT** for version repository maintenance.
* Used **Spring** Transaction and Hibernate for persist the data into database.
* Create REST based Web services using **Spring Boot**, Rest Controller, JSON
* Testing the application functionality with JUnit Test Cases.
* Confirm unit tests and code coverage **using JUNITs.**
* Experience in **Cassandra** stress tool for benchmarking **Cassandra** Cluster.
* Implemented Continuous Integration using Jenkins and GIT Working with DevOps practices **Docker** with **Kubernetes**.
* Debug the application using soup UI to check logs in openshift and used kibana to search prod logs.
* Implemented Product-Retrieval Service as **SOAP** based service using **Apache frame works**.

**Environment:** Agile methodology, Java, J2EE 1.7,1.8, AWS, Spring, cucumber, open shift, Jenkins, Docker, Oracle11, Web services, Java script, JSTL, SOAP UI, TOAD, jQuery 1.11, jQuery Data table, jQuery multi select, Ajax, JPA, Flexbox, Skelton and JSON.

**Samsung/Harman, Sunnyvale, CA September 2017 to March 2018**

**Sr. Java J2EE Back End Developer**

**Project Description:** Developed Java based enterprise applications, services, and infrastructure for client. This is the migration project from WebSphere deployed web service to J-Boss EAP web services using ESB support. Also involved in enhancements for existing web applications using Angular JS, Bootstrap and JQuery on front end and build rest based services using Spring for middle tier.

**Responsibilities**:

* Designed and Developed **Web services** using **JAX-WS**.
* Used **Spring MVC** framework for design, development and implementation of application.
* Responsible for setting up **AngularJS 2.0** framework for **UI** development. Developed **html** views with **HTML5, CSS3**, and **JSON and AngularJS.**
* Involved in using **JPA** (Java Persistence API) frameworks and **API**s such as **Hibernate and JDO** (Java Data Objects).
* Worked on **Restful web services** using **Node.js** and implemented mock services in **Node.js** with help of modules using **Node.js** server.
* Designed and developed the **UI** using **spring view** component, JSP, HTML, CSS and JavaScript, AJAX, JSON.
* Responsible for the acquisition and management of **IoT** services at the launch of new solutions Developing Controllers by using **Spring MVC, Spring Boot. MySQL** database backup and recovery strategies and Replication and synchronization.
* Used **Sumo Logic** and data metrics as monitoring tools to capture the live log events, device health with respective devices.
* Written **groovy** Unit test cases and covered test coverage from 50% to 85% using **Spoke** unit test.
* Converted our staging and Production environment from a handful **AMI's** to a single bare metal host running **Docker**.
* Used **spring, Hibernate** module as an Object Relational mapping tool for back end operations over **SQL database.**
* Used various components in **Spring**, which includes **Spring IOC, AOP, Spring MVC, Spring JDBC**, **Spring JPA**, **Spring Securities**, **Spring Batch, Spring Quarts**, and **Spring Security**.
* Responsible to integrate applications for web- based environment using **SOA**.
* Implemented asynchronous messaging services using **AMQP** such as **Rabbit MQ**.
* Used **J-Query APIs** to implement cross-domain calls and handling **JSON** responses.
* Performed unit testing using **JUnit** and **Mockito** aiding test driven Development in some scenarios.
* Configured JDBC with **SQL/PLSQL** for database connectivity.
* Provided **ANT** build script for building and deploying the application.
* Provided **JMS** support for the application using **Web Logic MQ API**.
* Used **XML** to transfer the application data between client and server. In server-side **Servlets** is used to construct and parse the data in **XML** format and in client-side Java is used.
* Developed **web services**, **SOAP** message envelopes and headers using **WSDL, UDDI, XML and JAXP**.
* Experience in using **Spring Cloud** to connect to services and discover information about the cloud environment in multiple clouds.
* Used MVC (**Struts 1.x)**, **spring 2.x** and ORM (**Hibernate 3.0)** framework and developed the Application using Struts 2.x Framework and latest JavaScript libraries like jQuery.
* Developed **REST services** using spring and Used **JAXB API** for **XML** parsing.
* Worked on **Restful API** and invoked **web services** (consumed) that are based on **EJBs**.
* Used Spring Core Annotations for Dependency Injection and used **Apache Camel** to **integrate spring framework.**
* Involved in validating and mapping the request data that is coming to the **REST service** to the **SOAP** request and calling the underlying **SOAP** services.
* Implemented Inheritance between tables using different **hibernate strategies.**
* Created monitors, alarms and notifications for EC2 hosts using Cloud Watch.
* **Setup and build AWS infrastructure** various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates.
* Implemented automated local user provisioning instances created in **AWS cloud.**
* Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.

**Environment:** Agile methodology, Java, J2EE, AWS, Struts 2, Rational Software Architect (RSA) 8.5.5.4, JAWS16.0, EJB, Oracle11, Web services, Java script, JSTL, SOAP UI, TOAD, jQuery 1.11, jQuery Data table, jQuery multi select, Ajax, JPA, Flexbox, Skelton and JSON.

**PNC Financials, Cleveland OH November 2016 to September 2017**

**Sr. Java Full Stack Developer**

**Project Description:** State Farm Insurance Company is one of the largest insurance and financial services companies in the United States. The project is an online insurance site for the existing and new customers it helps existing customers to look at the insurance and make modifications. The portal is completely developed using Java/ J2EE technologies with spring, Hibernate, Web Services on Web Sphere Application Server on Linux Platform.

**Responsibilities**:

* Involved in Agile software development lifecycle which involves designing, coding, testing, debugging and support.
* Implemented the effective Data sizing of the **ELK** Cluster based on the data flow and use cases.
* Involved in setting up Connection pooling and used **JMS** for Asynchronous messaging.
* Implemented the business layer by using and data description using Hibernate, Hibernate Transaction Manager is used to maintain Project was developed and implemented in **Agile development** environment.
* Designed and developed **micro services** which enhance reusability and reduces the failure rate.
* Integrated process into build system which auto-generates **REST** **API** documentation from source code improving **API** documentation quality and availability while reducing maintenance costs.
* Used **Spring** **Framework** for **Bean** **injection** and integrated with the EJB 3.0 using annotations using **spring.io**.
* Worked with QA team on daily basis in fixing the reported bugs and checking cross platform compatibility.
* Worked on re-factoring existing application code (built in AngularJS).
* Designed services to store and retrieve user data using **Mongo dB** database, **Cassandra** and communicated with remote servers using **REST** enabled Web Services on Jersey framework.
* Used **GIT** for version repository maintenance.
* Designed and implemented application using spring, JNDI, Spring IOC, Spring Annotations, Spring AOP, Spring Transactions, JDBC, SQL, JMS, Oracle, **Rabbit MQ** and Web-Logic.
* Used spring for **Dependency Injection** for plugging in the **Hibernate DAO** objects for the business layer.
* Created **Java** **servlets** with **RESTful** APIs to handle HTTP requests and responses.
* Used Hibernate Query Language (HQL) for accessing data from database and created Hibernate POJO Objects and mapped using Hibernate Annotations.
* Implemented Continuous Delivery framework using **Jenkins**, and **Maven** in Linux environment.
* Implemented **Micro services** architecture to convert monolithic heavy application into smaller applications.
* Involved in Analysis, design and coding on Java and J2EE Environment.
* Developed **Java** utility programs to retrieve **data** from **Oracle.**
* Involved in the database design and prepared detail level design document.
* Used Maven as build tool and Jenkins for continuous integration development.
* Unit tested complex methods and objects using Jasmine.

**Environment:** Agile/Scrum, HTML5, CSS3, JavaScript, jQuery, AngularJS, Java, Bootstrap, Jasmine, Jenkins, IntelliJ IDEA, Spring, STS, Maven, Hibernate, Jenkins, GIT, GITLAB, Micro Services, MySQL.

**Experian – Costa Mesa, CA October 2015 to November 2016**

**Sr. Java J2EE Developer**

**Project Description:** Experian plc is a consumer credit reporting agency. Experian collects and aggregates information on over one billion people and businesses including 235 million individual US consumers and more than 25 million US businesses. This project is to provide a range of engineering services across the entire product life cycle, starting from conception, design, development, and testing, to maintenance and support - all to address specific needs as customer products mature.

**Responsibilities**:

* Developing & supporting critical Java web applications related to the Point of Sale Change Management process in agile environment.
* Consume Rest Web Services (functional and content) via 3rd party APIs using micro service architecture build over HTTP REST.
* Developed the presentation layer **using JSP, HTML and client side validations using JavaScript**.
* Developed middle-tier application with J2EE using Servlet, EJB, Java Beans and Web Services Standards (SOAP, WSDL, UDDI).
* Developed DAOs (Data Access Object) **using Hibernate as ORM** to interact with DBMS – Oracle.
* Created XML Schema, XML template and used XML SAX/DOM API to parse them.
* Enforce code quality metrics using SONAR integrated with Jenkins Build server.
* Implemented a **Spring Batch process** that sends a notification email to all users once the parsing-persisting process completes.
* Implemented a custom solution using Spring DI and Spring Data JPA that enables the user to sort and filter the on-screen data enriching the user experience.
* Implemented and tested the enterprise application **with jQuery, Angular.js and Spring MVC.**
* Validation of the registered users using **JSP-Servlets** and JDBC with the details available in the Database.
* Created documentation of the application.
* **Developed Servlets and JSP** for Data retrieval implementation with User Interface.
* Developed Container Managed Entity and Session beans.
* Used Apache **Kafka** (Message Queues) for reliable and asynchronous exchange of important information between multiple business applications.
* Developed **Kafka** consumers to consume data from **Kafka** topics.
* Developed web services in Java andExperienced with **Service Oriented Architecture Protocol, WSDL**.
* Wrote internal and external API services using **Node.JS modules**.
* Configured JDBC with SQL/PLSQL for database connectivity.
* Involved in designing various stages of migrating data from **RDBMS** to **Cassandra**.
* Developed required Web pages using HTML.
* **Used Angular.js** for developing single page web applications.
* **Build Rest web service** by building Node.JS Server in the back-end to handle requests sent from the front-end JQuery Ajax calls
* Implemented **EJB Components** for modules related to Pharmacy, Purchasing, and General and Biomedical equipment.
* **Coded Server pages** using JSP, Servlets, Struts by following MVC architecture.
* Developed Action Classes and Action Forms beans.
* Worked with the team in the development of the Application front-end using JSP, Struts with the help of HTML.
* **Used JSON for message transformation**.
* Involved in the **Integration performance and unit testing** of the project.
* Involved in the Performance related issues like open connections and open cursors.

**Environment**: Web Sphere 6.0, SQL, JDBC, Java, EJB, Servlets, spring, JSP, HTML, Hibernate, Spring boot, JavaScript, JUnit, Ant, Oracle 10g and Windows XP.