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 **Omkar Murthy**

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**Professional Summary:**

* Around 8 years of experience in Java/J2EE based enterprise application development along with System Integration testing, adopting Agile Scrum and Test-Driven Development (TDD) methodologies.
* Extensive experience in requirements elicitation, analysis, design, development, testing and deployment of mission critical **multi-tier web-based Java/J2EE applications**.
* Extensively used **Java/J2EE** frameworks including Spring and Struts, and object-oriented design with strong understanding of **Collections**, **Multithreading** and **Event/Exception handling.**
* Experience in development of REST and SOAPbased web services using **AXIS, WSDL, UDDI, XML, JAX-WS, JAX-RS, JAXB, JAX-RPC, AJAX** technologies and **Jersey** frameworks.
* Excellent working knowledge in configuration multiple **WebLogic domains including machines, manage servers ,node managers and cluster environment.**
* Working experience in deploying enterprise-class J2EE server-side applications on various application servers including **Apache Tomcat, WebLogic, IBM WebSphere, and JBoss**.
* Worked as part of **Micro**-**services** team to develop and deliver **Maven** projects to deploy on Tomcat
* Expertise in Back-end/server-side java technologies such as: Web services, Java persistence API (JPA), Java. Messaging Service (JMS), **RabitMQ**, Java Database Connectivity (JDBC), Java Naming and **Directory Interface (JND**).
* Developed and implemented **UI controls** with **Node.Js**.
* Comfortable working with the **MEAN( Mongodb,express,angular,Nodejs)stack**.
* Possess working knowledge of Databases, Data Warehouse and Data Modeling concepts.
* Experienced in analyzing business requirements, developing technical requirements, and supporting the development of test cases.
* Good knowledge of designing, deploying, and operating highly available, scalable and fault tolerant systems using **Amazon Web Services (AWS) and Azure.**
* Used **Cucumber** for behavior driven testing
* Used **JIRA** for project management. Epics, tasks, and subtasks are created to track the progress
* Experienced in creating Design documents using **UML - Class and Sequence diagrams.**
* Well experienced in using Open Source frameworks including Spring and Hibernate.
* Developed RESTful Micro Services using **Spring REST and MVC, for OSS services**.
* Expertise in developing **J2EE Web Services** and leveraging J2EE Design Patterns.
* Designed and developed web services using **SOAP as well as RESTful** web services.
* Experienced in working in both **Windows and UNIX** platforms including Shell scripting.
* Good working knowledge of **SVN and Clear Case** for code management and version control.
* Adept in interacting with databases including **Oracle, Sybase, SQL Server**, and tools including TOAD and SQL Developer.
* Produce Unit Tests for **Spark Transformations** and helper Methods.
* Configured Spark Streaming to get ongoing information from the Kafka and store the stream information to HDFS.
* Debugging the failure issues by capturing the array and register dumps using **Python scripts**, traces and performing several experiments by interacting with the design team.
* Development **of data structures node,xml parsing** using **Python.**
* Worked with Maven and involved in creating **JAR, WAR and EAR files**.
* Used **Jenkins** for continuous integration and **continuous deployment**
* Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service**, **Kubernetes**, worked with **Terraform.**
* Managed **Docker orchestration and Docker containerization** using **Kubernetes.**
* Developed web services using **SOAP API.**
* Used **Kubernetes**to orchestrate the deployment, scaling and management of **Docker** Containers.
* Extensive experience in using various testing frameworks including **Junit and Mockito**.
* Good experience on open sourced control frameworks including **Hibernate, Struts** and in design patterns and Multi-threading.
* Have knowledge on partition of **Kafka** messages and setting up the replication factors in **Kafka** Cluster.do
* Good knowledge in switching traffic across different data centers while testing and validating the **Continuity of Business (COB) environments**.
* Extensive experience in writing complex **PL/SQL** queries.
* Working knowledge of **NoSQL** (MongoDB) databases.
* Expertise in using IDEs including **Eclipse, Net Beans and My Eclipse** for development.
* Experienced in using various Configuration Management tools including **CVS, GIT and SVN**.
* Created Test Cases using **JUnit** to validate developed application features and functionalities.

**TECHNICAL SKILLS:**

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| **Languages** | C, C++, Java, SQL, PL/SQL. |
| **Tools and Framework** | Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Security, JSF, Junit, SOAP UI, JReport, Rational Rose, RabbitMQ, Spring Boot. |
| **Build Tools** | ANT, Vagrant, Maven, Gradle, Docker and Jenkins. |
| **Version Control** | Tortoise SVN, CVS and GIT. |
| **Web Technologies** | HTML/HTML5, CSS/CSS3, JavaScript, jQuery, Bootstrap, JSON Restful, AngularJS, React JS, AJAX, Node.JS. |
| **J2SE/J2EE Technologies** | Java, J2EE, RMI, Sockets, JDBC, Servlets, JSP, JMS, Java Beans, JSTL, Jakarta Struts, JSF, EJB, Spring, Hibernate, JTA, JNDI, JPA, JMS.  |
| **Methodologies** | Agile, Test Driven Development, Waterfall. |
| **Databases** | Oracle, SQL-Server, MySQL server, MS SQL, IBM DB2, PostgreSQL, MongoDB, NoSQL, Cassandra. |
| **Web/Application Servers** | Apache Tomcat, Apache camel, IBM WebSphere, Web logic Application server, JBOSS, Camel. |
| **XML Technologies** | XML, XSL, DOM, SAX, DTD, XQuery, XSD and XSLT. |
| **IDE / Tools** | Eclipse, IntelliJ, Spring Tool Suite(STS), RAD, Adobe Dreamweaver. |
| **Testing Tools / Others** |  JUnit, Mockito, Selenium, Soap UI, SLF4J, Log4j and JIRA. |
| **Platforms** | Windows, Linux and Unix. |
| **Web Services** | SOAP, Microservices, JAX-RPC, WSDL, JAX-RS JAX-WS, UDDI, JAX-B, CFX, Restful. |
| **Cloud Technologies** | AWS EC2, S3, RDS. |

**CAPITAL ONE, Plano, TX. Apr 2022 – Till Date**

**Position: Java Developer**

**Responsibilities:**

* Developed microservices based adapters which listens to the Kafka topics and based on
the transformation logic, triggering events or call other adapters which intern listens to other topics.
* Used Spring Framework for MVC for writing Controller, Validations and View.
* Participated in code review meetings.
* Worked on Marklogic queries to fetch JSONs from various collections.
* Prepared test data for adapters which facilitates to perform testing in local, DEV and PRE-PROD environments.
* Worked on improving code coverage to minimum 80%.
* Responsible for all relevant messages to safely transmitted through the described workflows.
* Worked on Kafka hardening where we have added all the required Kafka Consumer and Producer properties into all the existing adapters.
* Performing aggregations on large amounts of data using Apache Spark, Scala and landing data in Hive warehouse for further analysis.
* Using Kafka, Spark Streaming for streaming purpose.
* Installed and configured Hadoop Map Reduce, HDFS, developed multiple Map Reduce jobs in Java for data cleaning and preprocessing.
* Monitoring the spark jobs and tweaking and tuning the jobs for efficiency and performance

 improvements.

* Involved in designing and developing the front end of the application using React.JS, Java script, AJAX, HTML5, CSS3.
* Developed Client web application using React JS, Redux, and Web pack.
* Developed various single page applications (SPA) using React.JS and used various components in the REDUX library.
* Used React.JS in components like JSX, creating React components, Virtual components etc.
* Used React.JS to create Controllers to handle events triggered by clients and send request to server.
* With the help of React Typescript developed a custom email builder, where user can drag and drop and create their custom email template.
* Implemented Node.JS as server side proxy for event-driven, non-blocking I/O model, which made my applications to run across distributed devices.
* Deployed and developed the project using AWS EC2, S3, Data pipeline, Elastic Beanstalk, cloud watch, Elastic search, AWS server migration service, Lambda, Amazon messaging services (SQS and SNS) and Amazon Kinesis services.
* Involved in establishing database connections for Python by configuring packages MySQL - Python.
* Developed entire frontend and back-end modules using python.
* Developed multi-threaded standalone app in python and PHP to view performance.
* Involved in writing stored procedures using MySQL. Worked on development of SQL and stored procedures on MYSQL. Developed Business Logic using python.
* Worked on the tasks to maintain the transactional consistency which ensures MarkLogic DB updates and publishing events to the next adapters in a sequence.
* Added seqNumber field into the incoming payload either in case of PREP or REP.
* Changed/Added required logs in places wherever we are performing transformation based on business rules to debug more easily in case of Production issues.
* Checked the logging levels in case of exceptions by calling to String method located in the custom exception class to print all the details of the exceptions.
* Changed the version of tlc-common library to incorporate or to include the changes related to the logs formatting.
* Performed build and deployments using Bamboo.
* Monitored Docker logs to check whether the adapters were started without any error logs.
* Worked closely with the DevOps team to fix the issues related to build or deployment failures.
* Documenting Node.js processes, including database schemas, as well as preparing reports.
* Keeping informed of advancements in the field of Node.js development.
* Writing scalable code using Python programming language.
* Used BitBucket as source control management.
* Integrated applications with Splunk so that we can easily monitor docker logs.
* Performed defect tracking, bug fixing and enhancements.
* Used JIRA for bug tracking, issue tracking and project management.

**Environment:** Java/J2EE, Agile Methodology, HTML5, CSS3, ReactJS, Spring IOC, Selenium, Apache Camel, Spring MVC, Spring Boot, Spring Cloud, Spring Batch, Spring Security, Micro Services, Hibernate, RESTful API, SOA, JAX-RS, JSON, SQL, Oracle, CRUD, Docker, CI/CD

**Bill.Com, Houston, TX Oct 2019 – March 2022**

**Position: Sr, Full Stack Java/AWS Developer**

**Responsibilities**

* Strictly Followed Java & J2EE design patterns and the coding guidelines to design and develop the application.
* Implemented the application using Spring IOC, Spring MVC Framework, Spring Batch and handled the security using Spring Security.
* Developed UI (User Interface) by using the React JS, UsedReact JS to create custom components for data manipulations and to display data in company standard format.
* Created web services using Spring @Rest Controller to return JSON to the frontend.
* Sending requests and responses in Micro services through REST/HTTP.
* Instrumented RESTful Web Services to retrieve data from client side using Micro Services architecture.
* Implemented Micro Services using Spring Boot, Spring Cloud, Spring Micro Services.
* Designed and developed DAO layer with Hibernate standards, to access data from SQL Server.
* Designed and implemented Spark jobs to support distributed data processing.
* Used Spark to create the structured data from large amount of unstructured data from various sources.
* Involved in development of Hadoop System and improving multi-node Hadoop Cluster performance.
* Wrapper developed in Pythonfor instantiating multi-threading application and running with other application.
* Development of test framework using Python.
* Created SQL Server logins and assigning roles and Authentication models as a part of Security.
* Used multithreading in programming to improve overall performance using Singleton design pattern in Hibernate Utility class.
* Responsible for developing UI pages using AngularJS, HTML5, CSS3, JavaScript, jQuery, AJAX and JSON.
* Used Spring Integration which enables lightweight messaging within spring-based application and integration with external systems like JMS messages, files etc.
* Implemented client-side Interface using Angular.
* Implemented controller (abstract) and mapped it to a URL in servlet.xml file. Implemented JSP corresponding to the controller where in the data was propagated into it from the model and view object from the controller Designed and Implemented MVC architecture using Spring Framework, which involved writing Action Classes/Forms/Custom Tag Libraries & JSP pages.
* Developed the persistence layer using Hibernate Framework, created the POJO objects and mapped using Hibernate annotations and Transaction Management.
* Used AWS to deploy the project on an EC2 instance. Have created highly fault tolerant, highly scalable Java application using AWS Elastic Load Balancing, EC2, VPC and S3 as part of process and security improvements.
* Developed API for using AWS to manage the servers and run the code in the AWS.
* Hands on experience in setting up databases in AWS using RDS, storage using S3 bucket and configuring instance backups to S3 bucket to ensure fault tolerance and high availability.
* Implemented service methods and SQL queries, PL/SQL to interact with the forms.
* Customizing RESTful Web Service using JAX-RS library and Spring RESTful API, sending JSON format
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using Jenkins along with LINUX Shell scripts to automate routine jobs.

**Environment:** Java/J2EE, Agile Methodology, HTML, CSS, ReactJS, Spring IOC, Selenium, Apache Camel, Spring MVC, Spring Boot, Spring Cloud, Spring Batch, Spring Security, Micro Services, Hibernate, RESTful API, SOA, JAX-RS, JSON, SQL, Oracle, CRUD, Docker, CI, CD, Jenkins, JIRA, RabbitMQ, MAVEN, AWS, JUnit, UNIX, STS, Apache camel, IBM Web Sphere, Log4J, GIT

**AgFirst Bank, Baxley, GA Dec 2017 - Sep 2019**

**Sr. Full Stack Developer**

**Responsibilities:**

* Developed, tested, debugged, implemented, and maintenance of Quick Solver Management portal.
* The CDMS and PDMS applications are primarily standalone applications using Spring
* boot.
* Work closely with other IT groups and PO’s (product owners) to define the system design and user interface based on customer need and objectives.
* Development of back-end functionality of the application using Java, Spring Data,
* Spring Boot, Hibernate, MS SQL, Spring Tool Suite.
* Responsible for developing working unit of code (server side) according to the business
* requirements.
* Designing and implementing logic for a functionality in the application to meet end user
* requirements.
* Develop and maintain a real-time streaming pipeline in the Microsoft Azure platform to schedule, monitor and manage copy and transform activities in the Azure portal.
* Worked on developing a batch job (Billing Transaction importer) using Spring boot which was ran daily to process policy related bills of each day and store them in the database.
* Developed JUnit Tests using Mockito framework for backend code including controllers and service layers to make sure all the defects are handled and to test the work flow.
* Used Apache Maven Software management tool to manage the project’s build,
* reporting and documentation.
* Worked with Jenkins for continuous integration of project source code. Used SVN repository for Code managements and version control.

**Environment:** Spring, Spring Data, Angular JS, Node JS, Hibernate, Java, JSP, HTML, CSS, AZURE, Bootstrap, Java Script, AJAX, MS SQL, Spring Tool Suite, SVN, Junit, Maven, Jenkins, Windows

## **Client: HDFC, Hyderabad, India Jan 2016 – Oct 2017**

**Java/J2EE Developer**

**Responsibilities**

* Designed and developed UI pages using JQuery, HTML5, Node.JS, CSS compiler or transpilers (Less), gulp for building assets.
* Implemented functionality like searching, filtering, sorting, validating using Angular JS and Java Script.
* Used Apache Camel for creating routes using Web service.
* Developed Angular JS custom directives, working on attribute level, element level, class level directives.
* Designed and Developed End to End customer web application using annotation-based Spring MVC, Hibernate, Rest API and Spring Boot.
* Implemented Spring Boot Micro Services to divide the application into various sub modules.
* Developed Micro Services to provide RESTful API utilizing Spring Boot with Spring MVC.
* Implemented Multithreading, Concurrency, Exception Handling, Generics and Collections whenever necessary.
* Implemented Multithread concepts in java classes to avoid dead locking.
* Implemented application service components and configured beans using Spring IOC, JPA annotation. Configured and implemented Spring Application Context to instantiate all bean classes in Spring MVC framework.
* Wrote complex queries of PL/SQL using joins, Stored Procedures, Functions, Triggers, cursors, and indexes in Oracle DBMS
* Developed and consumed RESTful web services to retrieve configuration JSON documents related to customer.
* Designed and developed Microservices business components using Spring Boot with Apache Kafka to stream data across multiple systems.
* Wrote services to store and retrieve user data from MongoDB for the application on devices.
* Deployed applications into Continuous integration environments like Jenkins to integrate and deploy code on CI environments for development testing.

**Environment:** Java, J2EE, HTML5, CSS3, Java Script, jQuery, Angular JS, Node.JS, Spring, Hibernate, MVC, Apache CAMEL, MAVEN, WebSphere, RAD, JUnit, JMS, log4j, kafka,Mongo DB, UNIX, SOAP UI

**Ericsson, Hyderabad and Italy Aug 2014 –Nov 2015**

**Java Developer**

**Responsibilities:**

* Designed and developed application feature using JAVA/J2EE and followed coding guidelines.
* Extensive Design, implement and test services experience in a Micro Service-oriented architecture and has implemented the REST based Microservices using the Spring Boot, Spring Data with JPA (Java Persistence API). S
* Designed and developed application feature using JAVA/J2EE and followed coding guidelines.
* Used Version Controlling tools like GIT for code check-in and check-out.
* Deployed application feature in the servers (both virtual and physical servers), handling production code movement activities and delivered application feature.
* Used Version Controlling tools like GIT for code check-in and check-out.
* Had Onsite client Experience of working with ERICSSON in ITALY.
* Developed applications using agile methodologies and best coding practices including PMD.
* Performed code merge, deployment, and integration testing.
* Automated testing of application using Test Automation Framework.
* Built projects in Jenkins and Deployments on IBM Web sphere.
* Created RFC and deploying project in the Test, SIT and production releases.

**Environment:** Java/J2EE, Agile Methodology, Spring Boot, Spring Cloud, Spring Batch, Spring Security, Micro Services, Hibernate, RESTful API, SOA, JSON, SQL, Oracle, CRUD, Docker, CI, CD, Jenkins, Rally, MAVEN, JUnit, postman, IBM Web Sphere, Log4J, GIT