**RABIN KHADKA**

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## SUMMARY:

Around 10 years of experience as a Java Full Stack Developer in IT industry. Extensively experienced in Software Analysis, Design, Development, Implementation and Testing of Object-Oriented Applications and Web based Enterprise Applications using java/J2EE.

* Demonstrated and successful in developing complex enterprise applications using Java/JEE technologies.
* Experience in deploying applications on Servers like Web Logic Application Server, Web Sphere 6.0, Oracle Application Server and Tomcat.
* Experience in Data Modeling and performance tuning of Relational Data Bases Oracle and DB2.
* Expertise in developing applications using Spring Framework's Spring Web Flow, Inversion of Control and Dependency Injection.
* Proficient in n-tier application design and development using Java, J2EE, JSP, Servlets, Struts 2.0, Spring and Oracle.
* Excellent Track Recording delivering Highly Scalable and Efficient Multi-Threaded Applications on time using standard development practices.
* Expertise in developing Middle-Tier components using Enterprise Java Beans (EJB), JMS, JNDI and other Remote Components.
* Responsible for creating and maintaining architecture for Restful API using Spring Boot.
* Having hands-on experience in Front-End using HTML, CSS, JavaScript, JSP, JSTL, AJAX, jQuery, Bootstrap, Angular 2/4/6, AngularJS, React JS, Node JS, and EXT JS
* Experience in developing application user interfaces with Angular JS and EXT JS.
* Experience in developing Mule ESB services as a middleware layers in reaching the goal of SOA pattern.
* Experience in developing Oracle SOA and BPEL middleware process in most of the ecommerce domains.
* Experience in developing the Release Automation Flows using CA release Automation Tool.
* Experience in developing middleware services using Mule, Fuse and deploying on the JBOSS containers.
* Used Puppet as configuration tool to deploy the Docker images on AWS to enable seamless full-infrastructure provisioning for site-redundancy and development environment.
* Used Spring Boot Actuator to monitor and manage the application in production environment.
* Create BPMN flow diagram which will internally used by another team
* Experience in Cassandra Database Configurations and its C++ client library.
* Experience in consuming the secured services like OAUTH, Kerberos implementations.
* Experience in writing custom LDAP authorization filters in enabling on top of web applications.
* Experience in developing the applications which can talk to NoSQL Databases like Mongo DB and Cassandra.
* Extensive experience in managing Docker containers and used boot2docker for the windows platform setup.
* Used Elastic search clusters to enable Kibana Dashboards for logging.
* Hands-on experience in using React JS and Node JS components.
* Used KAFKA as distributed system in Data Analytics using integration of spark and Cassandra.
* Extensive experience in using Node JS and Express to build REST Services.
* Developed POC on data intensive UI using React JS and BackboneJS as library and Angular JS as frontend frameworks.
* Experience in using the Big Data modules like MapReduce, Hive, PIG, Zookeeper and Apache Spark.
* Experience in using different Test Frameworks like Mocha, Jasmine and Mockito to test different layers of the application.
* Experience in writing the ANT scripts for building and deploying the working enterprise application and writing UNIX Scripts.
* Integrated the different pages to be a single page application using Angular 6+.
* Experience with Typescript as part of migration from Angular JS to Angular 6+.
* Experience in logging the application using Log4j.
* Experience in using Version Control Systems like CVS, Clear Case, SVN, TFS and GIT.
* Highly adaptable and adept at building good working relationships.

**EDUCATION:**

Bachelors from APG Shimla University, HP, India.

## SKILLSET:

**Languages:**Java7/8, C#, J2EE, J2SE, Scala, xml

**Web Technologies:**SERVLETS, JSP, JavaBeans, Java Servlet API, Angular 6

**J2EE Technologies:**JSP, Servlet, spring 2.x/3.x, Struts/Struts 2, Hibernate 3.x, Expression Language, JPA, JDBC, Java Mail, EJB, JMS, AMQP, Apache Camel, Oauth1/2.

**Application/Web servers:**Apache Tomcat, IBM WebSphere, Jetty, Jenkins, WebSphere MQ

**Databases:**Oracle, SQL server, MySQL, DB2, MongoDb, Cassandra

**Testing Framework**: ScalaTest, ScalaMock, ZIO Test, Spock Framework, TestNG

**Internet Technologies:**HTML5, JavaScript, CSS3, jQuery, Angular JS, Bootstrap, NodeJS. Angular 2/4/6.

**Cloud Environments:**AWS, Netflix Eureka, Kubernetes.

**IDE:**Eclipse, NetBeans, IntelliJ, Spring Tool Suite (STS)

**Message Queues:**JMS, Active MQ, Rabbit MQ, Kafka

**Operating system:**Window, Linux Mint, UNIX

**Defect tracking Tools:**JUNIT, JIRA, Bugzilla.

**Reporting Tools:**Jasper Reports, Crystal Reports XI, SSRS

**Methodologies:**Agile, waterfall, TDD (Test-Driven-Development), Scrum

**Developer IDE Platforms:**Eclipse, Edit plus, Notepad ++, TEXT PAD, Net Beans, IntelliJ, Spring Tool Suite (STS), GITHUB

**Build Tools:**Ant, Maven, Gradle, SBT, MILL

**Web Services:**SOAP, REST, Play JSON, Tapir

## EXPERIENCE:

**Charter Communication, Hybrid Oct’10-2022-june’05-2024**

 **Software Developer IV**

#### **Responsibilities:**

* Managed a multi-module Maven project, ensuring seamless integration and build processes.
* Maintained project versions and dependencies, ensuring consistency and stability across modules.
* Periodically upgraded libraries and dependencies to maintain up-to-date and secure codebases.
* Strong background in automation testing, RESTful API testing, and configuration management.
* Proficient in JAVA, TestNG, and various testing frameworks, demonstrated ability to develop and maintain automated test suites for complex systems.
* Configured and managed test environments using configuration files and environment-specific settings.
* Integrated test results with HTTP Reporter for centralized reporting. -Utilized Docker for containerized test execution and Jenkins for CI/CD pipelines.
* Developed MongoDB utilities, including custom projections and codecs for efficient data retrieval.
* Resolved third-party library vulnerabilities, ensuring the use of secure and updated libraries, suggest code changes, impact and the resource to be used, and document in chalk page. Help testers to navigate and document the code changes in the Release notes, special team notes and the code changes and the feature changes by attaching JIRA tickets as well.
* Implemented the function to send and receive messages on RabbitMQ synchronously and asynchronously and send JMS message to Apache Active MQ on the edge device.
* Involved in testing the JMS integration between queues and topics using GEMS.
* Implemented Kafka scheduling tasks using ZIO, enhancing the reliability and testability of recurring events.
* Developed a Kafka consumer for handling account transfer messages.
* Utilized ZIO for dependency injection and managing application context.
* Created RESTful services using Akka HTTP and Tapir for endpoint definitions.
* Developed endpoints for creating service promotions, handling household and service IDs, and managing promotion windows.
* Conducted REST API testing to validate endpoints and ensure correct data exchange.
* Developed and maintained unit tests using the Spock framework, ensuring robust and reliable code.
* Proficient in writing Groovy scripts for various automation tasks.
* Familiar with Jenkins for automating builds and integrating with version control systems.
* Created build metrics for API calls and implemented them in projects. -Write migration clean up script for change in the new account where old account is not needed, create collection, query collections.
 Created mock implementations for unit testing, ensuring robust and reliable code.
* Developed reusable components and utilities for handling common tasks across the project.
* Used Java 8 lambda expressions and the Stream API to process collections in a functional style.
* Developed custom type classes for rendering objects. - Write sample code snippet to talk with the aws sub account, kinesis stream if the data is able to write and read to/from the kinesis feed
* Written Mongo Groovy script to clean up data based on the records, changes which is based through the DB property, Expose the subset of the database API through the Groovy Script.
* Integrated metrics collection and logging for monitoring service health and performance.
* Successfully integrated MongoDB projection capabilities, improving query performance.
* Enhanced Kafka task scheduling with ZIO, providing better control and testability.
* Streamlined the build process with effective dependency and plugin management.
* Participated in daily stand up, After Scrum raise issue, concerns to the teammates.

## EXPERIENCE:

**American Express, Remote Sept’28-2021- Sept’15-2022**

 **Sr. Java Developer**

#### **Responsibilities:**

Understood and implemented requirements or business needs into software programs using Java.

• Deployed applications into servers such as E1, E2, and E3.

• Used Elastic search clusters to enable Kibana Dashboards for logging.

• Integrated existing software into new or modified systems or operating environments

• Gained experience in Core Java concepts such as OOP Concepts, Collections Framework, and Exception

Handling, I/O System, Multi-Threading, JDBC, and Generics.

• Developed API using the One Data Function using Vertex.

• Created and injected spring services, spring controllers and DAOs to achieve dependency injection and to

wire objects of business classes.

• Provided production support for the live applications.

* Used JMS for the asynchronous exchange of critical data and events among J2EE components. Publisher-Subscriber method was used for data loading and Point-To-Point methos of JMS was used for event processing.
* Worked on Java Message Service JMS API for developing message oriented middleware MOM layer for handling various asynchronous requests.

• Involved in using React JS components, Forms, keys, Events, Router, Animations and Flux concept.

• Developed POC on data intensive UI using React JS and BackboneJS as library and Angular JS as frontend

frameworks.

• Involved in production monitoring using ELF alert, Splunk queries and Kibana Dashboard.

• Continuously Integrated code using build management and deployment management using tools such as

Maven, Docker and Jenkins respectively.

• Implemented security features and optimize code to enhance performance of the application

• Stored the data in the form of JSON structure-based documents, stored in a collection using MongoDB.

• Worked on creating the Docker containers and Docker consoles for managing the application life cycle.

• Designed and updated the software database by effectively querying on Relational and NOSQL DB, such as

Couchbase, PostgreSQL and MySQL.

• Ensured quality of the application by writing and running unit test cases using frameworks such as Junit,

and Integration Testing.

• Developed Complex database objects like Stored Procedures, Functions, Packages and Triggers using SQL

and PL/SQL.

• Troubleshot production problems within assigned applications software and providing solutions for the

identified issues using Splunk and ELF Alert.

• Developed Schema for new API development using Swagger.

• Created Micro Services, Web Services and API to modularize and provide service to other applications.

• Worked with business users to develop and implement acceptance tests to ensure that product meets.

• Assisted with customer requirements and expectations.

• Focused on Test Driven Development; thereby creating detailed JUnit tests for every single piece of functionality before actually writing the functionality.

Implemented recommendations for improving documentation and software development process

standards.

• Prepared Confluence Documents, training manuals for users.

• Clearly and regularly communicated with management and technical support colleagues verbally and also

using tools like Rally, Jira, Slack.

• Involved in troubleshooting and fixing bugs and issues raised using Jira.

• Used Maven and Jenkins to automate the build and deploy process.

• Other job duties as assigned

**ICMA, MD Apr’20 – Sep 2021**

 **Sr. Full Stack Java Developer**

#### **Responsibilities:**

* Developed screens using HTML5, CSS, SASS, JavaScript, JQuery, Angular 4/6 and AJAX.
* Developing and editing user Interface Screens using JSP, HTML5.0, JavaScript
* Responsible for creating efficient design and developing User Interaction screens using HTML, CSS3, Bootstrap, JavaScript, Angular 6 and Node JS.
* Improve presentation of WebPages CSS 3.0, Adobe Flash and JQuery plug - INS.
* Extensively used various Spring Framework modules like MVC, DI (IOC), Auto Wiring, JDBC Templates, Spring Security, Spring Boot and AOP.
* Extensively used Hibernate mappings, HQL, EHCache, Query, Criteria, Lazy loading Transactions and Locking's for interacting with Oracle database.
* Developed REST Web Services clients to consume those Web Services as well other enterprise wide Web Services.
* Designed SOA integration using Apache CXF. Enabled rapid service tier development.
* Used Angular 2 for DOM Manipulation, Filters, and Directives.
* Leveraged all the caching capabilities through Ehcache in the service layer and implementation off Heap memory sing Ehcache external memory.
* Experience with Workflow management Batch processing, And Asynchronous processing using JMS IBM MQ Series.
* Developed security of the app using Apache Shiro API.
* Creating custom, general use modules and components which extend the elements and modules of core AngularJS.
* Designed and developed the login portal using framework Angular 2.0 along with HTML5, CSS3 and Type Script.
* Used Twitter Bootstrap to create responsive web pages which can be displayed properly in different screen sizes.
* Used AngularJS to create views to hook up models to the DOM and synchronize data with server as a Single Page Application (SPA).
* Cloud implementation was IBMs Bluemix.
* Used Bootstrap and AngularJS to create Controllers to handle events triggered by clients and send request to server.
* Created forms to collect and validate data from the user in HTML5, CSS LESS and AngularJS.
* Used spring and Hibernate for implementing IOC, AOP and ORM for back end tiers.
* Created and injected spring services, spring controllers and DAOs to achieve dependency injection and to wire objects of business classes.
* Developing Single Page Applications (SPA) with Angular 6, React JS, Node JS, Backbone JS, Express JS by using reusable components.
* Used Springboot for creating decoupled architecture.
* Developed MicroServices using Springboot.
* Implemented customer side validations using Angular 6.0 and created services on UI for storing and retrieving data from UI to the backend.
* Design and develop Microservices for various activation and management activities in one network flow
* Used Spring Inheritance to develop beans from already developed parent beans.
* Worked on Spring Quartz functionality for scheduling tasks such as generating monthly reports for customers and sending those mails about different policies.
* Developed Service layer Using Spring, AspectJS and persistence layer using Hibernate.
* Used DAO pattern to fetch data from database using Hibernate to carry out various database.
* Used Hibernate Transaction Management, Hibernate Batch Transactions, and cache concepts.
* Modified the Spring Controllers and Services classes so as to support the introduction of spring framework.
* Stored the data in the form of JSON structure-based documents, stored in a collection using MongoDB. Worked on creating the Docker containers and Docker consoles for managing the application life cycle.
* Setup Docker on Linux and configured Jenkins to run under Docker host.
* Used Maven and Jenkins to automate the build and deploy process.
* Developed multiple Angular 4.0/6.0 components which are compatible with latest versions of typescript, Angular CLI.
* Focused on Test Driven Development; thereby creating detailed JUnit tests for every single piece of functionality before actually writing the functionality.

#### **Environment:** Agile, HTML, CSS, JavaScript, JQuery, AJAX and Angular 4/6, XML, DAO, POJO, JPA, JAVA, Java8, Springs(IOC,AOP, JDBC) Frameworks, Spring Boot, Microservices, JSP, Hibernate Framework, AWS, RESTful Web services, SOAP, Maven, WebSphere Application Server, Mongo DB,NoSql,Log4j,Jenkins,JIRA, Selenium Web Drivers, Protractor, GIT, Socket,

**T Mobile, Seattle, WA Nov’18 – Mar’20**

 **Sr. Full Stack Java Developer**

#### **Responsibilities:**

* Developed the functionalities using Agile Scrum Methodology.
* Extensive experience in various agile methodologies like Test Driven Development (TDD).
* Involved in developing UI using Spring MVC framework, JSP, JSTL, HTML5, CSS, Javascript, JQuery, AJAX and AngularJS.
* Created Reusable Modules and Custom Directives in Angular2.0 which got used in various places of application.
* Implemented AngularJS Controllers to maintain each view data. Implemented Angular Service calls using Angular Factory tested all application controllers extensively with AngularJS built-in testing facilities.
* Extensively used core java concepts like Multithreading, Collections Framework, File I/o and concurrency.
* Experience in Core Java concepts such as OOP Concepts, Collections Framework, and Exception Handling, I/O System, Multi-Threading, JDBC, Generics.
* Used Java8 features in developing the code like Lambda expressions, creating resource classes, fetching documents from database.
* Used design patterns like Singleton, Data Access Objects, Factory and MVC patterns.
* Testing and production support of core java based multithreading ETL tool for distributed loading XML data into Oracle database using JPA/Hibernate.
* Created POJO’s and DAO’s for the database entities using Spring JDBC annotation mappings
* Integrated with Spring Cloud projects to provide distributed tracing and other features.
* Developed microservices with spring and tested the application using Spring Boot.
* Used Spring Core annotations for Spring Dependency Injection, Spring MVC for Rest API’s and Spring Boot for microservices.
* Development of cloud hosted web applications and REST APIs using Spring Boot with embedded Tomcat.
* Developed GSA, LSS and SDL using C++, Multi-threading and socket programming.
* Deployed the application on Amazon Web services (AWS) and used it to provide a large computing capacity for scalable solutions.
* Deployed applications into Continuous integration environments like Jenkins to integrate and deploy code on CI environments for development testing.
* Implemented Rest based web service using JAX-RS annotations, Jersey provider implementation.
* Integrated ActiveMQ and spring JMS API to send and receive message for the application’s restfulAPI.
* Experience in design and development of Web services, JAX-RPC, JAX-WS, RMI, JTA, JMS and XML, XSD, XSLT, X-Path.
* Wrote build scripts using Maven.
* Developed the persistence layer using Hibernate Framework by configuring the 1:1/1: M/M: M mappings in hibernate files and created DAO and POJO.
* Experience in NoSQL database like MongoDB installation, configuration and in designing MongoDB multi-shared cluster and monitoring with MMS.
* Installed the WebSphere MQ and involved in configuring MDB listeners, JMS resources, and queues and integrating with the WebSphere Application Server.
* Configuring WebSphere Application Server on multiple platforms for both horizontal and vertical scaling for Work Load Management.
* Experience in working with NoSQL Database like MongoDB to manage extremely large data sets.
* Used log4j to print the logging, debugging, warning, info statements.
* Implemented Selenium Web Drivers and Protractor for testing the UI components.
* Involved in setting up Test automation and developed cucumber feature files and used Selenium for automated testing with TestNG.
* Used JIRA tool for Issue/bug tracking, monitoring of work assignment in the system.
* Experience on implementation of version control software GIT repositories.
* Design, develop and test of SOA services using SOA / Web Service / Oracle Fusion Middleware.

#### **Environment:** JDK 1.6, Spring MVC, Spring AOP, Hibernate 4.0, Struts 1.2, JQuery, Ajax, Javascript, Oracle, Angular 2, REST, Angular.js, Backbone.js, Bootstrap.js, MongoDB, Node.js, JUnit, Maven, GIT, AWS, Scala, Oracle Fusion, IBM iLog, GWT Ember.js, Celery, JBoss 7, JIRA, Confluence.

**Verizon, Austin, TX Jul’17 – Oct’18**

 **Java J2EE Developer**

#### **Responsibilities:**

* Participated in Agile (Scrum) methodology and Involved in Design, development, Implementation and testing of the enterprise applications.
* Designed UML case diagrams, Class diagrams, activity diagrams and Sequence diagrams and Implemented MVC architecture for developing the distributed and enterprise applications.
* Developed, debugged, integrated and deployed applications using Eclipse (IDE) and GIT as a Version Control.
* Involved in build process, modifying the Gradle files, compiling the code building, packaging the WAR file and deploying onto various Tomcat servers in UNIX environments.
* Used React JS to create Controllers to handle events triggered by clients and send request to server.
* Used React JS to create views to hook up models to the DOM and synchronize data with server as a Single Page Application (SPA).
* Used React.js for developing UI using sorting, pagination and rendering for searching the statements in the webpage.
* Used React-Redux thunk as middleware to handle asynchronous actions in the application and to make REST API calls.
* Experience on relational database design and writing SQL queries, stored procedures, views, and functions with Oracle.
* Used Hibernate, Object/relational-mapping (ORM) solution, technique of mapping data representation from MVC model to oracle relational data model with a SQL-based schema.
* Deployed the jar file using Jboss application server on hawtio console and used Log4j as a logging framework.
* Worked extensively on developing controllers, Interfaces and implementation classes using Spring MVC framework & used Micro service architecture with Spring Boot based service through REST.
* Extensively worked on Spring bean wiring, Spring DAO an spring AOP modules and implemented Spring AOP in exception handling, which it reduces the development time to handle the exceptions.
* Scaled the component interactions and generalized the interfaces using Restful web service.
* Coordinated with QA team for development of test plan, test cases, test code and responsible for defects allocation and resolution of those defects using Selenium.
* Web application development for backend system using Node.js with cutting edge HTML5 and CSS3 techniques.
* Worked on JMS for developing messaging services and used JERSEY framework to implement the JAX-RS (Restful service).
* Used Log4j for tracking errors and debugging the code and Resolved bugs and Change Requests to already existing code.

#### **Environment:** Java 1.7, Eclipse Mars, Gitlab 7.0, Apache Tomcat 8.0, Oracle 11g, JMS, Servlets, JSP, JavaScript, JNDI, Restful, JQuery, MVC, Gradle 3.2.1, XSLT, HTML, XML, JUnit 4.9, React JS, Spring 3.2, Hibernate 3.6, Log4j.

**iAppsys Technologies, Bangalore, India Jun’16 – Apr’17**

 **Java J2EE Developer**

#### **Responsibilities:**

* Developed front-end components using Java Servlets and JSP.
* Developed SQL Stored Procedures in PL/SQL stored procedural language using TOAD integrated development tool.
* Developed Data Access Object (DAO) components to interact with Oracle Database using type 4 JDBC Driver.
* J2EE Development using EJB, Servlets, JSP, Java, XML
* Experience in microservices using Node.js and TypeScript.
* Configured and managed middleware components such as messaging systems and service-oriented architectures to support mission-critical business operations.
* Experience with React Native and JavaScript.
* Developed server-side application to interact with database using Spring Boot and Hibernate.
* Strong work experience in developing and consuming Micro Services, application integration using Web Services such as JAX RPC, JAXB, JAX-WS, SOAP, WSDL, JAX-RS, RESTful.
* Experience in User Experience (UX) design and development, User Interactive (UI) Web Pages and visually appealing User Interfaces using ReactJS.
* I have experience building scalable and efficient server-side application using Node.js and its associated technologies such as Epress.js and Socket.io.
* Experience on VBA and Power Query. Hands-on AWS experience.
* Wrote various SQL for accessing data from database (Postgres) and used JDBC API for Java Database Communication.
* I worked on cloud native Which involves in cloud technologies like microservices.

#### **Environment:** Java, JSP, Servlet, EJB, spring, JavaScript, Hibernate, Multithreading, Query, Struts, Design Patterns, HTML5, CSS3, JMS, XML, Eclipse, Apache, Oracle ECM, Java 8.0, Struts, AWS.

**Errikos Technologies, Hyderabad, India Jul’14 – May’16**

 **Java J2EE Developer**

#### **Responsibilities:**

* Designed and coded application components in an Agile/TDD environment utilizing a test-driven development and SDET approach and pair-programming.
* Developed the application using spring framework that leverages model view layer architecture, also configured Dependency Injection.
* Used Hibernate ORM tools which automate the mapping between SQL databases and objects in Java.
* Extensively used Hibernate in data access layer to access and update information in the database.
* Design of GUI using Model View Architecture STRUTS Framework.
* Integrated Spring DAO for data access using Hibernate.
* Implemented unit test for testing Angular components with frameworks using KARMA and JASMINE.
* Created Hibernate mapping files to map POJO to DB tables.
* Involved in the Development of Spring Framework Controllers.
* Developing application using spring core module and POJO&#39; using Eclipse and worked on Messaging service.
* Designed and developed the XSD for WSDL.
* Deployed code in Apache Tomcat and Web logic serve.
* Developed user interface using JSP, JSP Tag libraries JSTL, HTML5, CSS, and JavaScript to simplify the complexities of the application.
* Built Micro Services using Spring Boot with CI/CD using Docker and Jenkins.
* Provided LDAP security for the application.
* Develop AWS Lambda based Micro Services interacting with Dynamo DB and SNS/SQS using AWS SDK.
* Currently working on a fitness tool which aids in Test Driven Development (TDD).
* Used JMS for the asynchronous exchange of critical business data and events among.
* J2EE components and legacy system. Configured Kafka message source with Spring XD.
* Involved in multi-tiered J2EE design utilizing Spring Inversion of Control (IOC) and hibernate.

**Environment:** Java 1.7, Eclipse Mars, Gitlab 7.0, Apache Tomcat 8.0, Oracle 11g, JMS, Servlets, JSP, JavaScript, JNDI, Restful, JQuery, MVC, Gradle 3.2.1, XSLT, HTML, XML, JUnit 4.9, React JS, Spring 3.2, Hibernate 3.6, Log4j.