**Rajesh KC**

**Java Full Stack Developer**

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**Summary:**

* 6+ years of professional experience in analysis, design, development and testing of web and distributed multi-tier applications using **Java** and **J2EE** technologies in areas such as professional web development, e-commerce and banking applications.
* Experienced in using **Agile** Methodology including creating product / Sprint catalogues, active participation in **Scrum**, **Sprint planning** and exit meetings.
* Familiar with all aspects of technology projects including **Business** **Requirements**, **Technical** **Architecture**, **Design** **Specification**, **Development** and **Deployment**.
* Expertise in **Core** **Java** Concepts like **OOPs**, **Garbage Collector, Collections**, **Multithreading**, **Exception** **Handling, Generics, Synchronization, Serialization and De-serialization.**
* Extensive experience in **Java/J2EE** technologies such as **JDBC, JSP, JSF, Servlets, EJB, Hibernate, Spring, XML, XSD, XSL, JNDI, Web services**, **Struts**, **Hibernate**, **JMS, AJAX.**
* Good working experience with **Java 8** features such as **Lambda expressions**, **Default and Static methods in Interfaces, Streams API**, **Optional Class** and **Parallel sort** in **Arrays.**
* Experience in implementing the **J2EEdesign patterns** like **Singleton**, **Factory**, **MVC (Model View-Controller)**, **Adapter**, **Session Facade**, **DAO (Data Access Object).**
* Strong experience in building web application using various **Spring Framework** features like **Spring Core**, **Spring MVC**, **Spring Boot**, **Spring REST**, **Spring** **IOC**, **Spring** **AOP**, **Spring Boot** **Thymeleaf**, **Spring Security, Spring Injection, Spring JPA Crud** and **Spring Annotations.**
* Experience in developing applications as **Microservices** using **Spring Boot** based on **Service Oriented Architecture** (**SOA**)with **ESB (Enterprise Service Bus).**
* Experienced in producing and consuming **SOAP** and **RESTful** Web Services using **JAX-RS**, **JAX-WS, WSDL, JAX-B** APIsand implemented using **Jersey**, **Jackson** and **Spring REST** libraries**.**
* Experienced in using **Lombok** and **Swagger** Annotations.
* Strong experience in developing Dynamic Single Page Application (SPA) using MEAN (**Mongo, Express Angular 5** and **Node JS**) full stack development tool kit.
* Developed dynamic web applications and web services using **RAD, Eclipse, JBuilder, JDeveloper**, **NetBeans and Web Logic workshop.**
* Responsible for developing web applications using **AngularJS/Angular 5** and bootstrap hands-on experience in MVC framework using **AngularJS**, custom Directives, and Controllers.
* Possess good knowledge on document generation using **Apache** **POI** and **I-Text** and dynamic data visualization tools like **D3.js** and **Angular Fusion Charts.**
* Extensive experience in developing web pages using front-end technologies like **HTML5, CSS3, JavaScript 2.0, Angular 4, jQuery 3.0, Bootstrap 4/3, AJAX.**
* Proficient in handling Web and Application Services in creating Domain, configuring connection pool, JMS, deploying applications on **WebLogic, WebSphere,** **Apache Tomcat**, **JBoss** and **Glassfish**
* Well versed in querying **MySQL 5.0**, **PostgreSQL 8.0**, **Oracle 11g R2** DB - Optimizing **SQL queries**, **indexing**, **PL/SQL procedures** and **exception handling**.
* Experienced in handling Version Control Systems like **SVN** and **GIT.**
* Used Maven as a built automation tool and also used Apache **ANT** as a Java library.
* Experience in de-bugging using implementation of **Apache Log4j** for logging and **Jira**, **GitLab**, **Bugzilla** for issue-tracking and automation tools like **Maven 3.x** and **Gradle.**
* Performed **Unit Testing, Integration Testing** and generation of test cases for web applications using **Log4J, Mockito** and used **Jasmine** for front end testingand automation framework like **Selenium.**
* Extensive use of Use case model, use case diagrams, activity diagrams, object diagrams, component diagram, class diagrams and sequence diagrams using **MS VISIO** and **RAD** **7.5/8.0**
* Used **Jenkins** pipelines to drive all **Micro Services** builds out to the **Docker** registry.
* Used **SonarQube** plugin in Jenkins pipelines for code quality testing and analysis.
* Extensively worked on **Docker** for different infrastructure setup and end to end automation.
* Experience with employment of **Apache Kafka**, **Zookeeper** apart from **JMS** as messaging service.
* Experienced in **Azure** cloud environments like **Azure Data Factory**, **Azure Cosmos DB**.

**Technical Skills:**

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| **SKILLS** | **TOOLS** |
| **Programming Languages** | Java/J2EE, Java 8, SQL, PL/SQL, C, C++. |
| **Operating Systems** | Windows 98, XP, Unix – Solaris 10.0, Linux |
| **Technologies** | Java, J2EE |
| **Database(s)** | Oracle 9i/10g/11g, PL/SQL, MySQL, SQL Server, NoSQL, MY SQL, MongoDB |
| **Version Control** | SVN, GIT |
| **Web components** | HTML, CSS, JavaScript, JQuery, Angular JS, XML, JSP, Servlet, AJAX, JSON, Bootstrap |
| **Server** | Apache Tomcat, JBoss, BEA WebLogic, Web sphere, Jenkins, |
| **Testing Tools** | JUnit 4.9, Selenium, Mockito, Log4j. |
| **IDE and Tools** | Eclipse, SQL Developer, SOAP UI, Maven, Eclipse4.5, NetBeans |
| **Framework** | Web Services, Struts, Hibernate, Junit, spring 4(Dependency Injection, Spring MVC, Spring Access, core, Spring Context, Spring AOP, Spring DAO, Spring IOC, Spring JDBC, Spring with Hibernate |

**Professional Summary:**

**Velocity Tech Feb 2023- Present  
Role: Software Engineer  
  
Responsibilities:**

* Working as a senior backend developer. Primarily working with Java 11 and Spring boot for creating and maintaining various microservices.
* Responsible for enhancing existing data ingestion, reporting and dashboarding service.
* Responsible for end-to-end testing and deployment of the services.
* Have written queries on various databases like postgresql, oracle, mysql and mongodb
* Working on admin dashboard and audit hub UI using Angular and Typescript.
* Have deployed applications on Linux environments. Have set up entire systems from scratch.
* Have a good understanding of Grafana for creating and publishing reusable dashboards.
* Have worked on AWS instances as well.
* Responsible for designing end to end systems for any new customer requirement.
* Mentoring junior team mates.

**Environment**: Java 11, Spring boot, Spring data JPA, Hibernate, Postgresql, MongoDB, ActiveMQ, Linux, CentOS, Grafana, Quartz, Gitlab, Microservices, Selenium, Tomcat.

**FIS Global, Atlanta GA**   **Sep 2022– Feb 2023**

**Role: Java Backend Developer**

**Responsibilities:**

* Used **Spring MVC, Spring Boot** to decouple business logic and view components.

● Developed the Business Logic using Plain Old Java Objects (POJOs)

● Used **Swagger** for API documentation, API testing, API Mocking.

● Performed client-side validations using JavaScript.

● Implemented **Hibernate** in the data access object layer to access and update information in the

**Oracle10g** Database

● Used various Core Java concepts such as **Multi-Threading**, **Exception Handling**, **Collection API**s to

implement various features and enhancements.

● Worked on customer onboarding, providing support at **UAT and PROD** environment, production support.

● Setup and diagnose networking / sub netting in medium level offices.

● Migrated **Microsoft SQL Server** to **Oracle** database, wrote all the scripts for the migration.

● Wrote test cases in **JUnit, mockito** for unit testing of classes.

● Well experienced in dealing with the clients in fintech industry.

● Used **Kafka** for the asynchronous communications between two services.

● Integration with **Spring Security** in Web application using **OAUTH 2**, Also, implemented Base 64, cipher text, voltage encryptor to encrypt the message, and **JWE encryption** for field level encryption.

● Consumed Web Services for transferring data between different applications.

● Involved in coding, maintaining, and deploying applications on a **UNIX** server

● Wrote **MSSQL** queries, stored procedures, and triggers to perform back-end database operations.

● Built scripts using Ant to build the J2EE application.

● Used Eclipse 3.0 IDE for developing code modules in the development environment

● Performed connectivity with Oracle database using JDBC, hibernate.

● Implemented the logging mechanism using the Log4j framework. Developed **RESTful** API and used **MVC**, **Spring boot** and hosted all micro services through Spring boot

**Environment**: Java 1.8, Rally, Hibernate, Spring Boot, Oracle, Spring MVC, JMS Consumer, Unix Server, Maven, MSSQL, Restful Web Services, Bitbucket, MQ, Kafka, Microservices, Tomcat Server.

**AT&T, Dallas TX**   **Aug 2020 – Aug 2022**

**Role: Java Full Stack Developer**

**Responsibilities**:

* Developing Single page application (SPA) using the latest technologies like **Angular 5, Typescript, Bootstrap 4, JavaScript, CSS3, HTML5.**
* Writing the front-end look and appearance for the screens using Bootstrap, Ext JS, JavaScript, AJAX, AngularJS and jQuery
* Developed various generic **JavaScript functions** used for validations.
* Used **Node.js** as a Runtime environment.
* Actively worked in **Analysis**, **Design**, **Development**, **System Integration Testing, QA** and **User Acceptance Testing**.
* Designed and developed **Microservices** using **REST** framework and **Spring Boot** and used **Bootstrap** along with **Angular5** in creating the Application.
* Developed **Micro Service** to provide **Restful API** utilizing Spring Boot with various data persistence frameworks such as **Hibernate**, **Spring Data JPA** and messaging engines.
* Used **Spring Boot** which is radically faster in building cloud **Microservices** and develop spring-based application with very less configuration.
* Using **Spring MVC** framework to better control the presentation, business, structural and navigational aspects of the applications.
* Integration with **Spring Security** in Web application using **OAUTH 2** with **OpenID**.
* Developed code for obtaining bean references in Spring framework using Dependency Injection (DI) or Inversion of Control (IOC) using annotations.
* Used **Lombo**k and **Swagger** frameworks and used **Swagger hub** to document all the generated and built **REST API’s**.
* Designed and implemented a **SQL** based database and associated RESTful web service that persists high-volume user profile data.
* Used **Spring Boot** Actuator to externalize application configuration properties for different environments.
* Extensively used **Spring AOP** to maintain the code clean and logic consistent and used point cuts to call other class methods according to advice structures.
* Used **Hibernate** for Database Persistence to perform **CRUD** operation like insert, update, retrieve.
* Used **Hibernate,** object/relational mapping **(ORM) solution**, technique of mapping data representation from **MVC model to Oracle Relational data** with SQL-based schema.
* Also used **Spring Cloud** features like Eureka Server, Zuul Api Gateway, Ribbon Load Balancer, Hystrix and for tracing we used Sleuth and Zipkin.
* Worked on different type of indexes based on different collections to get performance in **Oracle Data Base**.
* Worked and created and w SQL store procedures.
* Also used **Mocha, Karma** for UI testing and used **Junit and Mockito** for Back-end code testing
* Used **GIT** and **BITBUCKET** as a Version Control System**,** created and cloned the central repository locally, created sub- branches, pulled any new changes, and then finally pushed their changes back to the central repository.
* Used **Unified Inventory Management system** an Oracle product tool as a part of data storage.
* Worked on Data Migration from **PL/SQL 11 to Oracle 12C.** Creating and replacing procedures to migrate old data into a new system for the database storage.
* Used **RabbitMQ** setup to get a config file by performing an event bus.
* Worked on Spring cloud features like Netflix Eureka Server, Zuul Api Gateway, Ribbon Load Balancer, Hystrix, Zipkin and Sleuth.
* Used **Jenkins** as a part of CI/CD tool and used **JFrog** repository to store generated artifacts and deployed in **Docker** containers.

**Environment**: Java 1.8, HTML5, CSS3, Bootstrap, JIRA, Hibernate, JavaScript, Spring Boot, Angular, Spring MVC, JMS, JMeter, Jenkins, Ext JS, Ant, Maven, Docker, SQL, Restful Web Services, jQuery, GitHub, AWS, Kafka, Microservices, Selenium, Tomcat Server.

**HMS, Irving, TX May 2018 – July 2020**

**Role: Java Developer**

**Responsibilities:**

* Analysis of customer requisites and deploying the application in different phases of **Agile** Software Development and **Scrum** technology.
* Designed use cases for the application as per the business requirements.
* Developed Customs tags to display dynamic contents and to avoid large amounts of java code in **JSP pages**.
* Developed user interface using **HTML5, CSS3, JavaScript, Angular 4** to simplify the complexities of the application.
* Used Design patterns such as Business Object (**BO**), Service locator, **Session façade, Model View Controller**, **DAO and DTO.**
* Used **Eclipse IDE** for designing, coding and developing applications.
* Designed and developed business components using **Spring AOP, Spring IOC, Spring Batch.** Developed the persistence layer **(DAL)** and the presentation layer.
* Developed **RESTful** API and used **MVC**, **Spring boot** and hosted all micro services through Spring boot.
* Implemented **DAO** using **Hibernate** Reverse Engineering, **AOP** and service layer using Spring, MVC design.
* Created **Angular 4** controllers, directives, models for different modules in the frontend.
* Implementation of **NoSQL** database using **MongoDB** and application **of Spring** framework to establish connection between the Database and front-end.
* Developed Java Server components using **Spring**, **Spring MVC**, **Hibernate**, Web Services technologies.
* Used **MAVEN** for build framework and **Jenkins** as build server for the project.
* Involved in writing **Spring** Configuration **XML**, files that contain declarations and business classes are wired-up to the frontend managed beans using **Spring** IOC pattern.
* Configured and deployed the application using **Tomcat and WebLogic**.
* Used **Log4J**for logging error/debug messages and managing them.
* Deployed the project in **AWS** cloud using **EC2** instance.
* Implemented **AWS** services using **EC2**, **RDS**, **EBS**, Auto-Scaling groups
* Implemented **Micro Services** Registration using Spring Boot and eliminated the use of J2EE containers.
* Used JIRA for Project Management, Bug Tracking and Issue Tracking
* Worked on creating UML (Use Case diagrams, State diagrams, and Activity Diagrams, Sequence Diagrams, Class Diagrams and Object diagrams) using Rational Rose.

**Environment**: J2EE, Spring, JUnit, Log4j, JDBC, XML, UML, Web service (RESTful, WSDL, WADL, JAXB, JAX-WS, JAX-RS), Angular 4, Apache Tomcat, Maven, GIT, Jenkins.

**AIG, Houston, TX Feb 2017 – Apr 2018**

**Role: Java Developer**

**Responsibilities**:

* Involved in requirements gathering and analysis from the existing system. Captured requirements using Use Cases and Sequence Diagrams.
* Participated in requirement gathering and framework implementation sessions through **Agile TDD** methodology using **Rally Agile Development Software.**
* Implemented **Spring MVC** architecture using **Spring, JSP** &**Java beans** to migrate from Struts Framework.
* Involved in development of service-based architecture utilizing open-source technologies like **Hibernate ORM** with **JPA** Annotations and **Spring MVC Framework**.
* Client pages are built using **HTML, CSS, JSP, AngularJS, JavaScript/JQuery**.
* Used **JavaScript**, **Angular2** and **AJAX** technologies for front end user input validations and **RESTful** web service calls.
* Integrated **Spring** (**Dependency Injection**) among different layers of an application.
* Worked on migrating Persistence layer from simple **DAO** to **Spring/Hibernate**.
* Designed and developed RESTful **APIs** using **Spring REST API**.
* Migrated parts of existing applications into **micro services** architecture using **Rest APIs**, **spring** boot and **AWS**.
* Used **Angular2** framework for building web-apps and is highly efficient in integrating with Restful services.
* Defined **XML** documents for input and output sources of **Web Services**. Created schema documents for **XML validation** and developed **XML schemas**.
* Used **Maven** for build framework and **Jenkins** for continuous build system.
* The application was re-deployed by creating different **microservices** through API gateway.
* Spring Boot was used to create the microservices as it has an embedded apache tomcat server.
* Used **Hibernate** as persistence framework for DAO layer to access the **Oracle** 12c database.
* Designed and developed database objects like **Stored Procedures**, **Functions, Triggers, PL/SQL packages** and **Cursors for Oracle.**
* Responsible for coding, testing and documenting various packages, procedures, and functions for libraries, also used **JUnit** for unit testing and **Mockito** for mock based testing.
* Used **Git** for Version Control.
* Used **log4j** for logging error/debug messages and managing them.

**Environment**: J2EE, Spring Boot, JUnit, Log4j, JDBC, XML, UML, Web service (RESTful, WSDL, WADL, JAXB, JAX-WS, JAX-RS), Angular, Apache Tomcat, Maven, GIT, SVN, Jenkins, Spring Tool Suite.