**RAJVIR SINGH**

**Contact number**: **(412)615-9092** | **Email:** rajvirs7699@gmail.com

**Linkedln:** **https://www.linkedin.com/in/rajvir-singh-58a424141/**

**Professional Summary**

**Overall, 11 years and 2 months of progressive experience in Software Development and support in Java, Spring Boot projects**

* Strong Skills in Java, Spring boot, Hibernate, Maven, Gradle, Jenkins, Jira, GitHub, IBM Clear Case, DB2, IBM Data Studio, SQL developer, Beyond Compare, SVN
* Hands-on experience in using Spring Boot, Hibernate, JPA, Redis, Web Services REST, CBF Autobahn, MySQL, PCF, Splunk, Jenkins, JUnit, JMS, and GitHub.
* Web Application development using Angular, HTML, CSS
* Java Microservice Application Development using Java, Spring Boot, Maven, Gradle, JPA, JMS, Oracle DB
* Also worked on GCP services like Google Cloud Storage, Datastore, Kubernetes, and AWS services namely S3 bucket, EC2 instance, PCF
* 8 years and 3 months of experience in agile development.
* Involved in Entire Software Development Life Cycle. Responsible for preparing DLD documents, Test plans, Coding, Testing, Debugging, Build Management, and Version Management.
* Working as a Team lead from onshore & guiding & managing a team of 10 members offshore.
* Involved in Project management tasks both offshore and onshore like Monthly Business Reviews with clients, sprint demos, retro, and Sprint planning.
* Experience in working in environments using Agile (SCRUM) and Test-Driven Development (TDD) methodologies.
* Experience in Software Development Life Cycle (SDLC), Requirements Specification, designing documents, and writing
* Experience in Spring Boot which is radically faster in building Cloud Microservices and developing spring-based applications with very little configuration.
* Expertise in DevOps process with Continuous Integration using Jenkins, JIRA, and GIT.
* Good experience in J2EE Testing in developing test cases with JUnit, MOCKITO for Unit testing, and logging using Log4j.
* Experience in DB programming using Oracle, DB2, MySQL & proficiency in developing SQL in JDBC.
* Experience in using version control and configuration management tools like GIT, and SVN.
* Experience in using the tools like Maven & Gradle for build automation.
* Experience with Command line tools for Appium
* Strong experience in web technologies like **HTML5/HTML, CSS3/CSS, React Js, XML, JSTL, JSF,** and creating UI using web **technologies Java, JavaScript, J2EE, Servlets, jQuery, Ajax, JSP, Angular2/4, Node.js.**
* Used JUnit Framework to perform Unit testing of the application.
* Performed unit and integration tests by writing Junit test cases using Junit Frameworks like **Mockito**.
* Good experience working with **Continuous Integration** and **Deployment** (CI/CD) tools like **Jenkins**, and **Docker**.
* Experience with container-based deployments using Docker, working with Docker images and Docker Hub.
* Experience in using version control and configuration management tools like **GIT** and **RTC**.
* Worked on **SQL** scripts to insert master data into tables.
* Strong analytical, interpersonal, and communication skills. Demonstrated track record of analyzing situations, and implementing in a fast-paced environment.
* Excellent in deploying the applications in AWS as EC2 instances and create snapshots for the data that have to be stored in AWS S3.
* Expertise in React JS framework to develop the SPA.
* Experienced in React JS and working with React Flux architecture.
* Utilized Amazon Web Services (AWS) EC2 to deploy   Docker containers with both monolith and Micro-Services architecture.
* Web Development, designing User Interface (UI) applications and professional web applications using HTML, HTML5, XHTML, CSS2/CSS3, JavaScript, jQuery, AJAX, JSON, DOM, Angular 10/11/12, React, Redux, Node.js, Ext JS, Karma, Jasmine, Twitter Bootstrap, XML and Java/J2EE Technologies with experience in the software development life cycle.
* Sound knowledge of CI/CD Continuous Integration practices and tools such as Kubernetes, Jenkins, and Docker. Experience in working with messaging systems like Kafka, and Kafka event sourcing.
* Experience in Server infrastructure development on AWS Cloud, extensive usage of, Elastic Beanstalk, Dynamo DB, S3, Route53, SNS, and SQS.
* Experience in working with Data structure and Algorithms in Java.
* Extensive experience with Oracle, MySQL, MS SQL Server, IBM DB2, and Solid understanding of Database Management Systems.
* Good understanding of modern NoSQL platforms (Mongo DB, Cassandra, and Dynamo DB).
* Experienced in JMS over messaging to exchange information more reliably and asynchronously in Enterprise Applications. Used Apache ActiveMQ and Apache Camel as JMS providers.
* Created continuous delivery pipeline for CDT Directory to run the war, Ami, and deploy jobs in Jenkins brew master instance, reducing the time for deploying microservices.
* Experience with IDEs such as IntelliJ IDEA, Eclipse, Spring Tool Suite, RAD, and deployment using Application Servers like Apache Tomcat, BEA WebLogic, Web Sphere, Glassfish, Camel, and JBOSS.
* Experience with Selenium, JUnit, Mockito, and Log4j in developing test cases and determining application functionality.
* Expertise in developing Middle-Tier components using Enterprise Java Beans (EJB), JNDI, Hibernate, and other Remote Components.

**Skills:**

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| Java Technologies | J2EE, Servlets, JSP, JPA, AJAX, EJB, JMS, JSF, Java Beans, Struts, Spring, Hibernate, RMI, Multi-threading, Kafka, Web services, SOAP, Log4j, JDBC, JDK, JUnit, Ajax, Ant, Maven and Applets, Grafana, Control m |
| Web Technologies | HTML, XML, XSLT, CSS, JavaScript, jQuery, AJAX, Angular JS, React JS, PHP, JSON and JSTL specifications IDE Eclipse IDE, Node JS, My Eclipse, Net Beans Languages C, C++, JAVA, J2EE, Jenkins. |
| Databases | Oracle, My SQL, SQL Server, DB2 and PL/SQL, ETL |
| Virtualization Tools | VMware vSphere, Oracle VirtualBox, Oracle retail suit, VMware Workstation, Appium |
| Cloud Technologies |  OpenShift, Microsoft Azure, AWS |
| Operating Systems | Windows, UNIX, LINUX. |
| Web Servers | Apache Tomcat, IBM WebSphere, WebLogic and JBoss, JBoss EAP, Web Logic Server, Glassfish |
| Web Services | SOAP, RESTFUL, JAX-WS, JAX-RS, UDDI, WSDL, JAX-RPC, JAX-RS, JAX-WS, JAX-B, Axis2, Micro Services |
| Methodologies | Agile, SDLC. |
| **Tools & Framework** | Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Boot, JSF, JUnit, SOAP UI, Groovy, ANT, Maven, Jenkins, Apache ActiveMQ, Apache Camel |
| CI/CD | Kubernetes, Jenkins, Docker |

**Professional Experience**

**Client: FedEx, Pittsburgh Pennsylvania Aug 2022 – Present**

**Role: Consultant, Team Lead**

**Project description:** This application takes care of the manifests for the driver for pickup and delivery our main objective is to revamp old legacy systems into new ones and in the meanwhile also add new Rest endpoints for some functionalities as per the business needs.

* Web application development using Angular with cutting-edge HTML5 and CSS3.
* Developed new endpoints in microservice applications. Implemented Topic and Queues to consume and produce JMS messages.
* Save, update, or retrieve data from the Oracle database based on the requirement.
* Added Scheduler cron job to schedule a batch job to process data.
* Created angular app which fetches the data from Rest call & displays in UI in tabular format. Created mat-table, mat-icons, mat-row, mat-columns and dropdowns etc in Angular.
* Worked on Inline editing of data in mat-row. Analyzed /modified existing code according to client requirements.
* Upgrade an existing application to the latest Spring boot version. Implemented FOSS scan in CICD pipeline to check for code vulnerabilities

Web application development using Angular with cutting-edge HTML5 and CSS3.

* Experience in developing components in Angular with TypeScript 2.4 and used Angular 4.0 to build a single-page application.
* Experience deploying and managing applications on OpenShift platform.
* Deployed and managed applications on OpenShift platform for efficient scaling and management.
* Experience in selenium- Xpath automation with Appium server for IOS Automation
* Written JUNIT tests as per the use case and used the Mockito framework to confirm the expected results.
* Developed test scripts in Selenium Web Driver using Java Language, setting up the automatic build and deployment automation of the project by using Maven.
* Deployed applications into Continuous integration environments like RTC to integrate and deploy code on CI environments for development testing.
* Involved in the development of User Interface using HTML/HTML5, CSS/CSS3, JavaScript, jQuery, AJAX, JSON, React JS, and AngularJS.
* Highly used Angular7 router to build single-page applications for navigating through the different statuses and multiple models.
* Expertise in creating web applications using HTML/HTML5, CSS/CSS3 (SASS, LESS), Bootstrap, JavaScript (ES5), jQuery, AngularJS, AJAX, and JSON, NodeJS.
* Analysis, research, and design specifications for maintenance and enhancement of Oracle retail Suit
* Involved in raising questions for business, Issue/bug tracking monitoring of work assignments in the system is done by JIRA.
* Experience in developing web applications on MVC-based frameworks like Spring, Spring IOC, Spring Security, Spring Boot, Spring Batch, and Spring MVC.
* Expertise in J2EE Technology- Spring, Hibernate, Struts, Servlets, JSP, EJB, JPA, JDBC, JTA, JavaBeans, JMS (MQ series).
* Selecting the appropriate AWS service based on computing, data, or security requirements.
* Integration of Amazon Web Services (AWS) with other applications infrastructure.
* Designed and prepared custom tags on the JSF layer and prepared framework classes for Managed Beans interacting with the Hibernate.
* Involved in configuring builds using Jenkins with Git plugins. Configured and used Jenkins to deploy the applications onto Dev, QA, and UAT (User Acceptance Testing) environments.
* Used Amazon Cloud Watch to monitor AWS services and Amazon Cloud Watch logs to monitor applications.
* Involved in performance tuning to identify and solve possible bottle necks in the application. Ensured code quality using tools like Find Bugs and Jenkins.
* Used Git for Version control, Jira for project tracking,
* Using the Maven building tool for creating EAR files to be deployed in the application servers and also for Dependency management of code in the application.
* Involved in the day-to-day handling of JIRA issues (production issues at the time) that involved data inconsistencies that required to be solved in very little time.
* Actively Participated in tracking and resolving Production issues.
* Actively involved in code review, performance tuning, and bug-fixing phases.
* Experience with IDEs such as IntelliJ IDEA, Eclipse, Spring Tool Suite, RAD, and deployment using Application Servers like Apache Tomcat, BEA WebLogic, Web Sphere, Glassfish, Camel, and JBOSS.
* Used Log4j for Logging various levels of information like error, info, and debugging into the log files.
* Good Knowledge in the ETL data stage

**Environment**: Java, AWS, HTML5, CSS3, JavaScript, RESTful Web Services, Hibernate (ORM), Spring Boot, Spring MVC, MySQL, Maven, Jira, Log4J, Junit, Git, Shell Scripting, ETL, AWS, OpenShift, Angular 14, Oracle retails suit, Oracle POS.

**Client: FedEx, Pune India Dec 2019 – July 2022**

**Role: Consultant, Sr. Developer**

**Project description:** This is a planning and reporting tool that shares pickup and delivery data with station managers to better plan their service areas (an area where the driver delivers packages) our main objective was to add new Rest endpoints and migrate from Iseries to Oracle database as per the business needs.

* Developed new REST endpoints in microservice applications. Save, update, or retrieve data from the oracle database based on requirements.
* Creation and assignment of stories with acceptance criteria, scope, story points, and description of stories.
* Understanding features and stories then prioritize them based on feature acceptance.
* Engaged in code review with Sonar code fixes.
* Performed unit testing of the code on the DEV environment and PCF deployment of application.
* Decommission of iSeries Database and migrating to Oracle database. Worked on converting existing SOAP endpoints to REST.
* Developed REST services using JSON for storing and exchanging information between browsers and servers.
* Using Spring MVC framework to better control the presentation, business, structural and navigational aspects of the applications.
* Used RMI to enable objects on different systems to interact in the distributed network.
* Implemented the template-based categorization of presentation content using Struts-Tiles. MVC implementation using Struts framework.
* Used node.js which is the event-driven model for data-intensive real-time applications.
* Implemented workflow system in a SOA environment, through web services built using Axis2 for SOAP over HTTP and SMTP. Configuration and deployments of AXIS2 components on web sphere application server at class loader level, and used the same to build and consume the web services (both synchronous and asynchronous).
* Designed and developed asynchronous RESTful Microservices using Spring boot, Couchbase, and RX Java that are consumed by other Microservices with an average response time of 30 milliseconds.
* Development in Staples B2B e - commerce site on domains like Cart and Checkout and List Pages using Open-source development (WebSphere Commerce to Microservice Architecture).
* CI/CD pipeline with Azure Dev OPS (PaaS)
* Developed Web Services and Responsible for the creation of the Web Services using SOAP Simple Object Access Protocol with HTTP protocol.
* Used React-Router to turn application into Single Page Application
* Worked in using Angular components, Forms, Events, Keys, Router, Animations, and Flux concepts.
* Involved in the development of User Interface using HTML/HTML5, CSS/CSS3, JavaScript, and jQuery, AJAX, JSON, Angular.
* Highly used Angular7 router to build single-page applications for navigating through the different statuses and multiple models.
* Azure Function for creation of Storage Accounts and Building docker images
* Expertise in creating web applications using HTML/HTML5, CSS/CSS3 (SASS, LESS), Bootstrap, JavaScript (ES5), jQuery, Angular, AJAX, JSON, NodeJS, and React.
* Experience in Web Services development using Apache-Axis, JAX-RPC, and JAXB and Security architecture for marinating security levels for business process end to end, using different JAX-WS standards with a clear understanding of WSDL (type, message, port Type, bindings, and service).
* In the project, we used PL/SQL commands to work on the Oracle database.

Using GIT for Source Control and Version Management and using log4j for logging.

* Used SVN, and CVS for source control management for different modules. Upgraded to the latest Java version improving the security of the system.

**Environment**: Java, HTML5, CSS3, Bootstrap, JIRA, Hibernate, JavaScript, Spring Boot, Angular, Spring MVC, SQL, Restful Web Services, jQuery, GitHub, Tomcat Server.

 **Client: Networked Insights, Pune India April 2018 – Dec 2019**

**Role: Sr. Software Developer**

**Project description:** This project is about uploading and processing user file data to cloud Storage processing file data and storing it in a cloud Datastore. Then create an intermediate file by interacting with Adobe and storing it in Storage. This file is then distributed to the selected distribution from UI and the final file is uploaded to the S3 bucket.

* Worked on the development of a new Spring boot REST application.
* Created POST, PUT, GET and DELETE endpoints for the front end.
* Developed a new front-end app that allows user to upload Excel sheets and display the data in a grid.
* Worked on UI grid for editing or deleting the record and also Submit and Cancel buttons to save or cancel the records.
* Worked on making REST calls from the front-end UI app. Backend and front-end code deployments on GCS
* Reading data from Google Cloud store processing it and storing it in Datastore
* Storing the processed data in the S3 bucket and triggering an email. Save, update, or retrieve data from the MySQL database.
* Assignment of stories with acceptance criteria, scope, story points, and description of stories. Understanding features and stories and then prioritizing them based on feature acceptance.
* Engaged in code review with Sonar code fixes. Performed unit testing of the code on DEV environment. Worked as spoc for Sprint demos and retro.
* Migrated Java applications from mainframes to Java 8 using Spring MVC, JSP, CSS, hibernate, JavaScript, and jQuery.
* Developed Java Server Pages (JSP) for the front end and Servlets for handling HTTP requests.
* Involved in using core Java concepts - Collections, Exception Handling, Multi-Threading, and Serialization.
* Involved in implementing logging, exception handling, and transaction management using spring AOP.
* Involved in ORM mappings for associations, Inheritance & fetching strategy, performing CRUD operations, and managing second-level cache using Hibernate. Deploying the microservices on AWS cloud with Devops tools.
* Implemented Mule ESB Java based enterprise bus and Integration platform to connect applications quickly and easily which enables them to exchange the data through JMS.
* Tested SOAP web services using SOAP UI and REST web services using REST Client.
* Used Oracle SQL developer and Toad for the writing queries or procedures in SQL.
* Written SQL queries & PL/SQL Stored procedures, functions, triggers, cursors, sequences, and indexes.
* Used AngularJS library for creation of powerful and interactive dynamic Webpages and web applications by using its advanced and cross browser functionality.
* Application backend implemented as Node.js express application server.
* Used Log4J for extensible logging, debugging, and error tracing. Involved in Production Support and Maintenance.
* Used GitHub version control system as a source repository to organize the code base.
* Developed code using IntelliJ for the integrated development environment.

**Environment:** J2EE, Java 8, JavaScript, JIRA, GitLab, Angular JS 4/6, Tomcat, Java 8, Spring Boot, Microservices, MySQL, Maven, Jenkins, Git, JUnit, Spring JPA, AWS, GCP, Docker, Kubernetes.

**Client: AT&T, Pune India Oct 2016 – April 2018**

**Role: Sr. Software Developer**

**Project Description:** This project was an initiative to decommission a 2-decade-old legacy telecom application and renew it with a new Tech stack. It had 6 sub-modules in it which deals with cable information, plant information, ticket management, User management, etc.

* Developed new REST endpoints in the Spring boot microservice application. Created new Get, Post, Delete, and Put endpoints for the Front-end team as per requirement.
* Save, update, or retrieve data from the Oracle database. Created Entity objects using JPA entities project from the database.
* Worked on SVN for code commits. Assignment of stories with acceptance criteria, scope, story points, and description of stories.
* Understanding features and stories then prioritize them based on feature acceptance. Engaged in code review with Sonar code fixes.
* Worked on JUnit using Mockito and met Coding standards. Contributed to preparing knowledge documents.
* Involved in the study of User Requirement Specification. Requested insufficient Information and helped clear ambiguity in the requirements document.
* Involved in the design, development and implementation of the application using spring and J2EE framework.
* Involved in developing class diagrams in UML showing generalization and other relationships, Sequence diagrams describing the interaction of objects over time.
* Developed User- Interface screens involving Servlets, JSP, JavaScript, and XML DOM parser.
* Client-side scripts using JAVA, JSP, and JavaScript.
* Analysts to come up with better implementation designs for the application.
* Involved in using core Java concepts - Collections, Exception Handling, Multi-Threading, and Serialization.
* Involved in ORM mappings for associations, Inheritance & fetching strategy, performing CRUD operations, and managing second-level cache using Hibernate.
* Implemented Mule ESB java-based enterprise bus and Integration platform to connect applications quickly and easily which enables them to exchange the data through JMS.

**Environment:** JAVA 7, J2EE, Servlets, Spring 3.0, Hibernate 3.0, Spring Framework, HTML, JavaScript, JDBC, PL/SQL, XML, UML, Oracle 10g, WebSphere 7.0, Maven, SVN, Windows.

**Client: Aetna Healthcare, Pune India Feb 2013 – Oct 2016**

**Role: Sr. System Engineer**

* Developed and maintained existing legacy applications.
* Worked on UI changes on the Extjs framework.
* Worked on writing/updating stored procedures as part of enhancements.
* Worked on change requests documentations.
* Assignment of stories with acceptance criteria, scope, story points, and description of stories.
* Understanding features and stories then prioritize them based on feature acceptance.
* Engaged in code review with Sonar code fixes.
* Worked on JUnits using Mockito and meet Coding standards.
* Contributed to preparing knowledge documents.

**Environment:** Java 7, Spring MVC, Spring core, DB2, Maven, Jenkins, Clear quest, Clear Case, Junit, Hibernate

**Awards and Certifications**

* Infosys Prima award (Org level) for Team contribution in 2016.
* Infosys Hi Life Insta Award for individual contribution (unit level) in Q2 2015 & Q4 2015.
* Infosys Golden Stamp award for individual contribution.
* Tech Mahindra Bravo award in Quarter 3 2017.
* Project person of the month award for November 2016.
* Tech Mahindra Bravo award in Quarter1 2018.
* Spot Award in Atos Syntel in 2022

**Education**

Graduation – Bachelor of Engineering in Electronics & Communications

(NMAMIT–Nitte, VTU-Belgaum 2008-2012)