**Name: Rupesh R**

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**Professional Summary:**

* Around **8 years** of experience in all phases of **software development life cycle (SDLC)**, which includes User Interaction, Business Analysis/Modeling, Design/Architecture, Development, Implementation, Integration, Documentation, Testing, Enterprise, and Web based applications using **Java, J2EE** technologies.
* Strong application development experience in using latest **Agile** Software Development methodologies like **Scrum, Sprint** andTraditional software models like **Waterfall and TDD**.
* Expertise in developing **web pages** like **HTML, CSS,** **JavaScript, JQuery, Ajax, AngularJS, Bootstrap** with webpage browser compatibility and scripting language like **Node JS, BackboneJS** and **React JS** that interact accessibility and web browser standards for website.
* Implement **API** Service using **Apache Camel**.
* Having Good experience in developing and migrating existing application into cloud-based platforms like **Amazon Web Services (AWS)** and **Pivotal Cloud Foundry.**
* Expertise inDevelop a **web application using spring, Hibernate, Web Services (SOAP and RESTFUL) technologies.**
* Experience with **Java 1.8 features** like **parallel streams** and **filters** through **lambda expression, Stream API, Date Time API etc.**
* Used **Apache Kafka** for producing the change events from SQL and the **Node JS** programs to consume events as per the change events. Used **Apache Kafka** High Level consumer and High-Level producer for the programs.
* Strong experience in Spring Framework modules such as **Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Boot, Spring Micro services, Spring REST, Netflix OSS, Consul, Swagger UI, Spring Ribbon.**
* Proficient in implementation of frameworks like **Struts, Spring (Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Security, Spring Boot, Spring Data, Spring Batch, Spring TX), JSF, Prime faces, Icefaces, AJAX** frameworks (**Rich Faces, MyFaces**) and **ORM** frameworks like **Hibernate, IBATIS.**
* Proficient in developing **Web Services**, related technologies &frame works**: WSDL, SOAP, REST, JAX-WS, JAXB, JAX-RPC, AXIS and Jersey, SOAP UI** and generating client’s client using Eclipse for Web Services consumption.
* Expertise in Web Front End Technologies **Struts, Tag Libraries** and **Struts custom validation rules, Tiles, JSTL, Java Script, DHTML** and **XML/XSL.**
* Developed web-based enterprise applications using **core** Java, J2EE, **Servlets, JSP, EJB, JMS, JDBC, Hibernate, Web Services (SOAP, REST), MVC framework (Struts, Spring MVC), SQL and OOPS techniques.**
* Proficient in core java concepts like **Collection Framework**, **Multi-threading**, **Generics**, **Annotations**, **Serialization, Thread pools, JavaBeans, Externalization.**
* Expertise **XML** technologies like **DTD, XSD, XSLT** and various parsers like **DOM, SAX and JAXB.**
* Extensive experience working with **RDBMS** such as **MySQL**, **MS SQL Server,** Teradata**, DB2, Oracle.**
* Experience in working with the **NoSQL** Database like **MongoDB** to manage extremely large data sets.
* Hands on experience in creation, Configuration and management of **MQ** series objects like Queue Managers.
* Worked on deployment, installation, configuration and issues with Application servers like **Apache Tomcat, IBM Web Sphere, BEA WebLogic and JBoss Enterprise Application Server.**
* Defined architecture and integration path for business rules with **JBoss** BRMS **Drools**.
* Experience in Design Patterns like **Singleton, Factory, MVC, Data Access Object** and **Business Delegate.**
* Experience on different IDEs such as **RAD, Eclipse, Spring Tool Suite**, and **IntelliJ.**
* Hands on experience in building tools like **ANT, Maven, Gradle**.
* **Configured and created** application **log files using Log4J** to trace required application messages.

**Technical Skills:**

| **Languages** | C, C++, Java, J2EE, SQL, PL/SQL |
| --- | --- |
| **J2EE Technologies** | Servlets, JDBC, JSP, JSF, JMS, EJB, Java Security, JMS (ActiveMQ, Rabbit MQ) |
| **Mark-up/XML Technologies** | HTML, CSS, JavaScript, JQuery, Ajax, AngularJS, PHP, XML, XSD, XSL/XSLT, SAX/DOM, JSON. |
| **Tools & Framework** | Struts, Spring, Hibernate, Spring MVC, Spring IOC, Spring AOP, Spring Boot, Spring Cloud, Spring Security, OAUTH2, JSF, JUnit, SOAP UI, PHP, Apache ActiveMQ. ANT, Maven, Apache camel. |
| **Web services** | SOAP, Restful, UDDI, WSDL, JAX-RPC, JAX-RS, JAX-WS, JAX-B, Axis2,Micro Services. |
| **Web/App Servers** | IBM Web Sphere, Apache Tomcat, JBoss, Web Logic Server |
| **Database** | Oracle, SQL-Server 2008/12/16, Netezza, MySQL server, TOAD, MongoDB/NoSQL |
| **IDEs** | Eclipse, IntelliJ, Spring Tool Suite (STS), RAD |
| **O-R mapping** | Hibernate, IBATIS |
| **Testing Tools/ Others** | JUnit, Soap UI, Putty, Log4j and Jira. |
| **Version Control** | Tortoise SVN, CVS, Rational Clear case, GitHub |
| **Build Tools** | Ant, Maven, Jenkins |
| **OS & Environment** | Windows, UNIX, Linux. |
| **Cloud Technologies** | AWS EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB,Cloud front, Elastic search, Elastic Beanstalk, Virtual Private Cloud (VPC), Micro Services. Pivotal Cloud Foundry (PCF) |

**Professional Experience:**

**Client: VISA Inc. – Austin, TX Sep 2021 – Present**

**Role: Java Backend Developer**

**Description:** VISA is a banking and global financial services company that provides customers with products, insights and experiences that enrich lives and build business success. This project is about developing superior user interfaces for the products and services of VISA cardholders. This application was built following a microservices design pattern and was deployed into PCF.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) such as **Design**, **Analysis, Development** and **Testing.**
* Actively participated in the daily **SCRUM** meetings with our team to produce quality deliverables within time.
* Used **JAVA 8** features like **Lambda Expressions, Parallel Streams** and **Functional Interfaces.**
* Used **Core Java** concepts like **Collection Framework, Multi-threading, Concurrent Object-Oriented programming**, **Thread pools** and **Externalization.**
* Build the application based on new features of Java **JDK 1.8** at service layer level.
* Designed and developed **Microservices** business components and **Restful service** endpoints using **Spring Boot.**
* Implemented **Restful** and **SOAP** based web services using **JAX-RS** and **JAX-WS,** respectively.
* Implemented **Restful** Web Services to retrieve data from client side using **Microservices** architecture.
* Designed and implemented application using **Spring Boot, Spring MVC, Spring IOC, Spring Annotations, Spring AOP, Spring Transactions, Spring Batch& Hibernate.**
* Validations are done using **Soap UI** and **Ready API** testing tool framework in different environments.
* Developed **Micro-Services** based **architecture** to enable the application to be deployed on **AWS.**
* Responsible for creating an instance on **Amazon EC2 (AWS)** and deployed the application on it.
* Worked on **AWS** services to deploy static websites and dynamic Web Apps on EC2 using Elastic Beanstalk and Elastic Container Service-Docker.
* Implemented a Continuous Delivery pipeline with **Docker, Jenkins** and **GitHub** and **AWS AMI’s.**
* Deployed **Spring Boot** based **Microservices** Docker container using Amazon EC2 container services and using AWS admin console.
* Used **Docker** to containerize the Services and APIs to run on EC2 instances.
* Implemented build stage-to build the Micro Service and push the **Docker Container** image to the private Docker registry.
* Used Spring Data Framework to use the features of **Spring JDBC** and **Spring ORM** classes like **JDBC Template** and **Hibernate Template** to perform the database operations by connecting to Data sources available.
* Develop large scale and data driven Entitlement business transformation Portal using **Java, MongoDB, Elastic Search, Kafka and Micro Services architecture.**
* Worked on project called eDelivery which gives the users capabilities to look in to their eDelivery products and download necessary software or pdf.
* **Complete several user stories** for cross functional teams that **maintains and built backend services for cisco entitlement application.**
* Develop/Implement highly reliable and scalable enterprise messaging system using **Kafka** (Java Spring Kafka) for Publishing & subscribing different formats of messages from various Systems and ingested to **MongoDB**, **Elasticsearch**.
* Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to **Kubernetes**, Created Pods and managed using Kubernetes.
* Used **Splunk** for Application Log, Security Log and Performance monitoring.
* Worked on multiple **Splunk** SPL functions to create new fields during search.
* Worked on the both the One time and Incremental data migration from **SQL** to **NOSQL** data bases.
* Worked on **Log4J** to validate functionalities and **Mockito** for unit testing.
* Implemented configured and customized **JIRA** issue tracking software with agile plug-in across all company functions.
* Used Jenkins as build management tool for continuous integration process, used Git as Version Control tool and Rundeck for deploying the project.
* Used **Spring Tool Suite (STS)** IDE tool for application development.

**Environment:** Java 1.8, J2EE, Splunk, JavaScript, Angular 2, Spring AOP, Spring Boot, Spring Framework, XML, Maven, JDBC, Git, Hibernate, Mockito, Power Mockito, Oracle, Mongo DB, Mockito, Jenkins, Rundeck, Kubernetes, Elastic Search 6.2, Restful services, SOAP, Soap UI, Microservices, AWS, Agile Methodology, Log4J, JIRA and STS.

**Client: BNSF Railway – Fort Worth, TX Jul 2020 – Aug 2021**

**Role: Java Backend Developer**

**Description**: BNSF Railway is one of the largest railroads in North America. This project is about promoting safe and effective operations by sharing real-time information to both the drivers and the operations team. This is achieved using a Wi-Tronix Connected Diagnostics System that collects and shares real-time information for all BNSF’s operation team and freight rails in the North America region.

**Responsibilities:**

* Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Successfully followed Sprint planning and estimation for user stories in **Agile Environment**.
* Developed the application using **Java 8** and implemented its features like **lambdas Expressions, Time API, Streams, functional interfaces, collectors, default methods, type interfaces, for each.**
* Used **multithreaded** environment to run processes asynchronously using different future calls to access the data.
* Extensively used various **Spring Framework** modules like **MVC, Dependency Injection (IOC), Auto Wiring, Spring Security and AOP**.
* Creating **REST** based **Web Services** by establishing links from **Spring-based Applications**.
* **Spring Boot** microservices were developed using microservice architecture with **RESTFUL**.
* Building cloud **Microservices** and implemented backend using **Spring** **Boot**.
* Implemented **Spring Boot Micro services** to divide the application into various sub modules.
* Worked with **Microservice** architecture using **Spring Boot** to modularized code and implemented **Rest API’s** using **Spring Rest**.
* Implemented and used **Rest Web Services** with the help **of JAX-RS** to get updates from the third parties.
* Spring security**is used** for**authorization/authentication, session fixation, clickjacking, cross site request forgery.**
* 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.
* Administer, secure, and maintain multiple **Kubernetes clusters**to support a global service.
* Integrated**Docker** container orchestration framework using Kubernetes by creating pods, **config Maps**, deployments.
* Implement cluster services using **Docker**and **Kubernetes.**
* Created **private** **cloud** using **Kubernetes** that **supports** **DEV**, **TEST**, and **PROD** environments.
* Responsible **local** **deployments** in **Kubernetes** to **creating** **local** **cluster** and **deploying** **application** **containers**.
* Used **Spring Tool Suite (STS)** which is based on **Eclipse** to develop and debug application code.
* **GIT** is used for the version control and **Maven** is used for build script and configured **log4j.log** files.
* Using **JUnit** test in Eclipse, developed Unit test cases and test suite**.**
* Used **JIRA** for project management, Issue tracking and monitoring errors and fixed the errors.
* Used **Jenkins** as the integration tool and improved **Scalability** of applications on **cross-platforms.**

**Environment**: Agile Methodology, Java 1.8, J2EE, Spring, Spring boot, Spring MVC, Micro services, Hibernate, Restful, Maven, JUnit, JMS, AWS, Jenkins, Eclipse, GIT, Oracle, PL/SQL, Log4j, STS.

**Client: Mercedes Benz – Farmington, MI Apr 2019 – Jun 2020**

**Role: Full Stack Java Developer**

**Description**: Remarketing Application is web-based suite of applications for consumer vehicles, which caters to lease, retail and balloon financing for US and Canada by consolidating various business processes. Remarketing deals with retaining existing Mercedes Benz customers. The focus is on reselling used vehicles easier, faster, and cost efficient. Remarketing Area comprise of 3 Life cycle phases, Pre-Termination, Mid Termination and Post Termination.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (**SDLC**) of the application like Requirement gathering, Design, Analysis and Code development and understanding of business requirements and implement the process using **Agile (Scrum)** methodology.
* Involved in the development of user interface using **HTML5, CSS3, JavaScript, Bootstrap, JQuery**, **Ajax, Angular2.**
* Used **GEL** library to implemented company specific User interface.
* Created responsive web pages using **Bootstrap** and wrote client-side application in a clean Component based **Angular2.**
* Used different **NPM** third party modules in Angular application.
* Used **Java8** **JDK** in building the applications.
* Consumed **RESTful Services** with **Angular2 $http Services.**
* Developed **RESTful Web Services** with **JAX-RS** using **Spring Boot** and **Micro Services Architecture.**
* Implemented the application using **Spring IOC, Spring MVC, Spring Boot, Spring Security** and **Hibernate Template.**
* Used Spring Data Framework to use the features of **Spring JDBC** and **Spring ORM** classes like **JDBC** **Template** and **Hibernate Template** to perform the database operations by connecting to Data sources available
* Database built on **DB2 JSON DB** in non-structured format. This DB will be kept in-sync with the mainframe invoices Database using the **Data** **Integration** **Framework**.
* Experience with **IBM WebSphere Application Server (5.0 / 6.0 / 7.0)** and **WebSphere MQ** and familiar with application servers, such as **JBoss.**
* Implemented the **authentication** and **authorization** of the application using **Spring Security** and **OAuth.**
* Used **SOAP** webservices in our application to implement **ESEC** **services** which **authenticate** user.
* Testing xml output using **Advanced REST Client** or **POSTMAN** and **SOAPUI**.
* Implemented **Service to Service** authentication **using BNSF AuthToken API**.
* Used **Active MQ** to communicate with controller and used service layer to implement the business logic.
* External System service integration are done via rest service calls from the **JBPM** process.
* Multiple work queue was integrated with **BPM** process.
* Experienced in using **WebSphere Dashboard** Framework builders.
* Used **LMA** **SDK** logging framework to log all debugging and error information.
* Used **Mockito** for testing the application and Writing Test Cases for Unit Level Testing using **JUnit**.
* Used **Gradle** as build automation tooland responsible for **Continuous Integration (CI) and Continuous Delivery (CD)** process implementation using **Jenkins**.
* Used **GitHub** as Version Control tool and **IntelliJ** and **Eclipse** **IDEs**.
* Used **VersionOne** to create user stories and track development work.
* Followed Micro Service architecture and Deployed and tested the application on **VM’s.**
* **Interacting and participating** in the meetings along with product owner and clients to understand their needs and propose design to the team to implement the requirement.
* Involved in **Defect** **fixing** and **maintenance**.

**Environments:** Java 8, HTML5, CSS3, JavaScript, Bootstrap, JQuery, Ajax, Angular2, REST web services, SOAP webservices, Spring Boot, Spring IOC, Spring DI, Spring MVC, Hibernate Template, Micro Service, DB2, Mainframe DB2, OAuth, Active MQ, JBPM, LMA Logging, Junit, Mockito, Gradle, Jenkins, GitHub, VersionOne, Micro Services, VM’s, Eclipse and IntelliJ IDE.

**Client: Bakkt – Atlanta, GA Jan 2018 – Mar 2019**

**Role: Full Stack Java Developer**

**Description**: Working in developing Core Payments Platform to support our Wallet / Consumer App and Merchant Portal. Our Consumer App allows Customers to Buy/Sell Bit coins, Transfer Bit coins, USD currency between our application users and support purchasing products from our merchants (i.e., Starbucks) with Bitcoins or USD currency. He is involved in developing Merchant Portal which will be used by our merchants to check transactions made by our customers, daily settlement reports and account balance.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (**SDLC**) such as requirements gathering, modeling, analysis, design, development, and testing.
* Developed the view-controller components using **JSPs**, **HTML5**, **CSS3**, **AJAX**, **JavaScript (jQuery**).
* Implemented routing logic and navigation from screen to screen and implemented login functionality on the client side in **Angular 6**.
* Building stable React components and stand-alone functions to be added to any future pages.
* Developed the Drag and Drop functionality using React- Drag gable.
* Used React -Auto complete for creating Google maps location search on the webpage.
* Hands-on experience in developing integration with **Elastic search** in any of the programming languages like **JAVA** and **JavaScript**. Having knowledge of advance reporting using **Elastic search** and **Node JS**.
* Configured **Kafka** to read and write messages from external programs.
* Implemented **core** features of **Angular 6** framework such as dependency Injection, Data-binding, Filters, Directives, Templates, Services and Deep Linking Designing.
* Used **Java8** features like stream and **Lambda** expressions.
* Maintained **Interface** compatibility and **concurrency** in the project using **Java 8** new features like default, static methods and Concurrency API.
* Used **Java 8 Method References** feature to point to methods by their names and used **functional Interfaces.**
* Responsible for creating an instance on **Amazon EC2** (**AWS**) and deployed the application on it.
* Installed, secured, and configured **AWS** cloud servers and **Amazon AWS** virtual servers (Linux).
* Worked on **AWS** services to deploy static websites and dynamic Web Apps on **EC2** using **Elastic Beanstalk** and Elastic Container **Service-Docker and Kubernetes.**
* Involved in creating **EC2** instances and installed required configurations and applications on it and created **S3** buckets for storing object level data into it.
* Used **AWS Cloud Watch** to monitor the application and to store the logging information.
* Used **Spring MVC** framework for implementing **Model-View- Controller (MVC)** architecture at the Web tier.
* Secured the API's by implementing **Oauth2** token based authentication/authorization scheme using **spring security**.
* Developed the monolithic application and involved in migrating existing monolithic application into **Micro Service Architecture** based **RESTful Service** and deployments were done on **AWS.**
* Designed and developed **Micro Services** business components using **Spring Boot.**
* Developed API’s to read and publish data from **Elastic Search** cluster using native Java Transport client as well as **REST** client. Worked on **Spring** Integration with the **Elastic Search**
* Used **Hibernate** **ORM** **framework** as persistence engine and wrote **Hibernate** **Queries** to automate the mapping between **Oracle** database and **Objects** in **Java**.
* Involved in writing **SQL** and **Stored Procedures** for handling complex queries with help of **TOAD** and access them through Java Programs from **Oracle Database**.
* Worked with **MongoDB and Cassandra** to store non-relational data into collection and retrieve them whenever required.
* Focused on **Test** **Driven** **Development** there by creating detailed **JUnit** tests for every single piece of functionality before writing the functionality.
* Performed automation testing and authored test scripts using Selenium Web Driver/ Grid and Junit.
* Worked in **Agile TDD** environment using SDLC tools like **GIT, Jira, Jenkins**, **and Maven** for build packaging and deployments of the application components.

**Environment:**Agile Methodology, Java1.8, HTML5, CSS3, JavaScript, jQuery, Ajax, Angular 6, AWS IAM, EC2, S3, RDS, SQS. Hibernate, Spring, XML, JSP, JAX-RS, Spring AOP, Spring security, Oracle, MongoDB, Cassandra, JSP, React JS, Docker, Kubernetes, GIT, JIRA, PL/SQL, STS, JUnit, Log4J, Maven, Jenkins, Kafka, WebLogic 7.1, WebSphere Application Server.

**Client: CVS Health – Northbrook, IL Jun 2014 – Oct 2017**

**Role: Java Developer**

**Description**: The project involves modernization of CVS Specialty application platform from legacy layer to using modern, open-source platform libraries in Java and building highly scalable, robust, efficient systems. The target architecture involves moving to microservices and orchestrating business processes using JBPM and using Spring Cloud along with Netflix OSS to manage the orchestration.

**Responsibilities:**

* Worked as per **Agile** Methodology (**Scrum**) to meet customer expectation, timelines with quality deliverables.
* Responsible for creating efficient design and developing user interaction screens using **HTML5, CSS3, JavaScript, JQuery, Ajax** for service calls on pages to interact with the server.
* Developed static web pages using **HTML5, CSS** and client-side validations using **JavaScript**.
* Implemented different validation control on the web pages using **AngularJS** and developing a cross-platform **JavaScript** based solution using **Angular JS**.
* Involved in building a high efficiency Dynamic single and multiple Web Application Using **Bootstrap.**
* Involved in research, implementation and review of **JQuery** and **JavaScript** functions to use plugins for representing data in graphs.
* Connected to Data sources and performed operations using **Spring Data Framework** features like **Spring JDBC** and **Spring ORM**.
* Implemented logging and transaction manager using **Spring** **AOP** concept.
* Worked extensively on **Spring boot** for building web service.
* Secured the API's by implementing **Oauth2** token-based authentication/authorization scheme using **spring security**.
* Developed the persistence layer using **Hibernate** Framework, created the **POJO** objects and mapped using **Hibernate annotations**.
* Experienced in planning, design and implement portal solutions using **WebSphere Portal.**
* Experienced in **Portal Administration** tool to configure Portals.
* Written **SQL Queries** and **stored** **procedures** to interact with **Oracle DB.**
* Consumed **REST** based **micro services** with **Rest** template based on **RESTful APIs**.
* Analyze business requirements and develop various business delegates to integrate with Middleware services like **JAX-WS** using **SOAP and REST.**
* Developed Data Services using XML messages that use **REST** web services, Created **REST** envelope.
* Used **JAXB** to read the xml file and then created instances of a generated classes.
* Used **XSLT** to change the Data formats into **XML** to **XML** and **XML** to **PDF** formats.
* Worked with **RabbitMQ** for messaging with social application in the bank monitored it.
* Used **JIRA** tool for Issue/bug tracking, monitoring of work assignment in the system.
* Re-design and implement CI build system using **Jenkins.**
* Worked with executed unit test cases by using **JUNIT** for accuracy of code and logging with **log4j.**
* Developed **Maven** scripts to build and deploy the application in the **WebSphere** Application Server.
* **Log4J** was used to monitor the error logs and used **GIT** as version control tool.

**Environment:** Java, HTML5, CSS3, JavaScript, JQuery, AngularJS, Bootstrap, Spring MVC, Spring Boot, Spring Security, OAUTH2, Spring ORM, Hibernate, Microservices, SOAP, RESTful, Eclipse, Mockito, Jenkins, JMS, JSP, XSLT, XML, Unix Shell Scripts, SQL, RabbitMQ, WebSphere, Maven, Log4j, JUnit, JIRA, GIT, Agile.