**Rupesh R**

**Full Stack Java Developer**

**PROFESSIONAL SUMMARY**

* Over 9+ years of IT experience in Object-Oriented Programming, Analysis, Design, Documentation, Integration, Testing, and Implementation of Client-Server, Distributed Multi-tiered, and Large-Scale Enterprise applications in Waterfall and Agile methodology using JAVA and JEE technologies.
* Experience in Designing and building dynamic and user-interactive websites using JavaScript, AngularJS, Angular 4/5/6, Express.js, Bootstrap, and jQuery.
* Expertise in Java programming and a good understanding of OOPs, Collections, Exceptions Handling, Input/output (I/O) Systems, Annotations, Enums, Concurrency, Multi-Threading, Lambdas, and Generics.
* Expertise in Designing and developing interactive Front-end applications using HTML5, CSS3, JavaScript, Typescript, and AJAX.
* Expertise in unit testing JavaScript applications using Jasmine, Karma, Mocha, Chai, and Node.
* Expertise in understanding and hands-on using various extensible Markup Languages (XML) technologies like XPath, XQuery, XSLT, XSD, SAX, DOM, and JAXB.
* Experience in developing Web and Enterprise applications using technologies JDBC, Servlets, JSP, Java Server Faces (JSF), Java Persistence API (JPA), JNDI, and JMS.
* Experience in Developing Applications using frameworks Dropwizard, Spring Dependency Injection (DI), IOC, Aspect-oriented Programming (AOP), Integration, Security, Boot, Struts and Hibernate.
* Experience in Installing, Configuring, Deploying, and maintaining Applications and Web Servers using JEE containers such as Oracle Web Logic, JBoss Enterprise Application Platform (EAP), Apache Tomcat Server, and IBM Web Sphere.
* Experience in Integrating and deploying applications using Apache Camel, Apache CXF, ActiveMQ, and JBoss Fuse Enterprise Service Bus (ESB).
* Experience in using various Amazon Web Services (AWS) Components like EC2 for virtual servers and S3 for storing objects, EBS, Lambda, Cloud Front, Elastic cache, and DynamoDB for storing data.
* Provisioned and configured AWS resources such as EC2 instances, VPCs, RDS databases, S3 buckets, and IAM roles using Terraform.
* Automated the deployment of EKS clusters and associated resources, including VPCs, subnets, security groups, and IAM roles.
* Designed and implemented reusable Terraform modules to standardize the deployment of common infrastructure components.
* Integrated Terraform with CI/CD pipelines using tools like Jenkins, GitLab CI, or GitHub Actions to automate infrastructure deployment and updates.
* Expertise in Producing and consuming Web Services Technologies like Restful (JAX-RS), SOAP (JAX-WS), JAX-RPC, and JAXR (Java API for XML Registries).
* Experience with Service Oriented Architecture (SOA), development, and deployment of Web Services using SOAP, WSDL, and Restful Web services.
* Extensively used Java design patterns like Builder, MVC, MVVM, Service Locator, Data Transfer Object (DTO), and Data Access Object (DAO), Factory Method.
* Experience in writing SQL queries in PL/SQL, Triggers, and Stored Procedures in Relational Database management systems like Oracle, MS SQL, MySQL, and DB2.
* Experience in understanding and using NoSQL databases MongoDB, CouchDB , Apache Cassandra.
* Expertise in using Version Control Systems like SVN, Git, Stash and Project Tracking tools like JIRA and Rally.
* Experience in using Testing frameworks in Test Driven Development (TDD) such as JUnit, Mockito, Power Mock, Protractor, Cucumber, and Selenium.
* Utilized various cutting-edge technologies such as Python, Java, Kotlin, AWS, Big Data and Hadoop, cloud services.
* Proficient working on JavaScript frameworks like NodeJS, Express, Ember, Backbone, ReactJS. Experience and exposure in developing User Interface (UI) Rich Web Applications, and using Front End Technologies like PHP, HTML5, XHTML, DHTML, XML, JavaScript, jQuery, JSON, AJAX, CSS2/3, Media Queries, JSP, Backbone.js, Angular.js, Bootstrap, D3.js, Ember.js.
* Good expertise in working with various Open source framework modules: Spring, SpringBoot, Spring IOC, Spring MVC, Spring Security.
* Experience in understanding and working on SQL and NoSQL databases including MySQL, MongoDB, CouchDB, Apache Cassandra.
* Hands on experience of Build & Deployment phase and usage of Continuous Integration (CI/CD) tools, build configuration like Jenkins, Gitlab, GitHub Actions, TeamCity, Drone.
* Developed Web-based enterprise applications using Java/J2EE, Core Java, Servlets, JDBC, Hibernate, Micro Services, Web Services (SOAP and REST) and MVC Framework (Struts, Spring MVC).
* Experienced in development, testing and deployment of enterprise applications on Windows & LINUX platforms using IDEs such as Visual Studio Code, Eclipse, NetBeans, and IntelliJ.
* Experience in software configuration management tools like CVS, SVN and GitHub.
* Expertise in developing, Testing, Debugging, Integrating, and Deploying Enterprise applications using Integrated Development Environments (IDE) IntelliJ IDEA, Eclipse, STS, and RAD.
* Experience in Continuous Integration (CI/CD) tools like ANT, MAVEN,Crucible, and Jenkins.
* Extensive experience in UML Modeling diagrams development such as Use Case diagrams, Class diagrams, and Sequence diagrams.

**Technical Skills**

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| **Operating Systems** | Windows, Macintosh, Unix, and Linux |
| **Languages** | Java, Kotlin, Php, JavaScript, SQL, HQL, PL/SQL, GraphQL |
| **Java/J2EE Technologies** | Java EE, Servlets, JSP, JSTL, XSLT, JDBC, JNDI, JMS, JPA, JSF |
| **Web Technologies** | HTML5, DHTML, CSS3, XML, JavaScript, AJAX, JSP, ReactJS, Angular 4/5/6, Angular JS, jQuery, Express, Bootstrap |
| **XML/Web Services** | XML, XSD, SOA, WSDL, SOAP, Apache CXF, DOM, SAX, JAXWS, JAXRS, XML Beans, REST, JAXB, Restful, AWS |
| **Frameworks** | Micronaut, Spring MVC, Spring Boot, Spring AOP, Dropwizard, Struts, Hibernate ORM, Selenium, Mockito, JUnit, Protractor, Cucumber |
| **RDBMS** | Oracle, MySQL, SQL-Server, PostgreSQL, MariaDB, DB2 |
| **NoSQL** | MongoDB, CouchDB, HBase, DynamoDB, Cassandra, Oracle NoSQL |
| **Web/Application Servers** | Apache Tomcat, JBoss, Web Sphere, Web Logic |
| **IDE’s** | Eclipse, STS, IntelliJ, WebStorm |
| **Design Patterns** | Singleton, session facade, Front Controller, MVC, DAO, Factory Observer, Prototype |
| **Version Controls** | GIT, SVN, JIRA, Rally |
| **Methodologies** | Unified Modeling Language (UML), Rational Unified Process (RUP), Agile. |
| **Build Tools** | Ant, Maven, Gradle, Docker, Jenkins. |

**Education**

* Master’s in computer & information sciences, UMass - 2023

**Professional Experience**

**Client: SailPoint, Austin, TX. Feb 2024 – Present**

**Role: Full Stack Java Developer**

**Responsibilities:**

* Experience in the design and development of web-based applications using **Java**, **JDBC**, **PL/SQL**, Servlets, JSTL, JSP.
* Developed and Consumed REST based web Services using Java17 and Spring Boot and Dropwizard.
* Have done server-side scripting using Node.JS to develop the applications, which are data intensive real time applications that run on distributed devices.
* Used Spring and hibernate as well to develop REST web services to fetch and provide data from various data systems. Used NodeJS for server-side, Bootstrap for client-side development.
* Worked on developing a new UI application for RetailMeNot with Php and Laravel along with Cloudflare and Redis caching through terraform.
* Developed and maintained Terraform scripts to automate the provisioning of cloud infrastructure across AWS, ensuring consistency and repeatability.
* Utilized Terraform modules and workspaces to organize and manage infrastructure code efficiently.
* Developed search application for autocomplete and search behavior on home page using Elasticsearch db. in the backend and integrated with UI in ReactJS.
* Designed and implemented user interfaces using ReactJS for dynamic and responsive web applications.
* Utilized ReactJS’s component-based architecture to build reusable UI components and Implemented memoization techniques using React.memo and useMemo.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Utilized React for its efficient data flow architecture to create a lightweight and render efficient web app that searched projects via the GitHub API through keywords.
* Developed data models using Hibernate Object relational mapping (ORM) framework and used Hibernate Annotations to reduce time at the configuration level.
* Maintained the user accounts (IAM), RDS, Route 53, VPC, RDB, DynamoDB, SES, SQS and SNS services in AWS cloud.
* Deployed and managed Kubernetes clusters using AWS EKS, ensuring high availability, scalability, and security.
* Configured EKS clusters with auto-scaling groups, node groups, and managed node groups to optimize resource utilization.
* Utilized Helm charts for packaging, deploying, and managing Kubernetes applications within EKS clusters.
* Used GIT for version control, and GitHub actions for Continuous Integration and Continuous Deployment (CI/CD).
* Used RabbitMQ queues to process messages from source database to downstream consumers. Developed integration solutions with RabbitMQ using its APIs and client libraries in Java facilitating seamless communication between diverse applications.
* Built GraphQL api as a middle layer to aggregate and query from UI to backend APIs. Used Insomnia to test GraphQL queries.

**Environment:** Java 1.11, J2EE, Spring 3.0, Hibernate, Spring Boot, Dropwizard, Microservices, Kafka, RabbitMQ, jQuery, Oracle, XML, Web Services, PostgreSQL, PL/SQL, MariaDB, CouchDB, Maven, JUnit, Log4j, jQuery, Apache Tomcat Server, IntelliJ, GIT, SOAP UI, Postman, Putty, Linux, Docker, Kibana, Elastic Search, Windows XP, Agile scrum, Kubernetes.

**University of Massachusetts Sep 2022 - Dec 2023  
Role: Graduate Teaching Assistant**

**Responsibilities:**

* Worked as Graduate Assistant for the course “Database Design” and helped students throughout the coursework Pitched in ideas to organize the labs and course content.
* Responsible for Design and Development of the Java based Web and Enterprise application.

**Client: Amazon, Hyderabad, India May 2020 – Jun 2022**

**Role: Software Development Engineer - I**

**Responsibilities:**

* Developed an efficient single-page application (SPA) using ReactJS, implementing cookies for temporary data storage.
* Designed and built scalable and maintainable ReactJS components and ensured the separation of concerns by adhering to the principles of component-driven development.
* Implemented interactive and dynamic user interfaces with real-time updates using WebSockets and React hooks such as useState and useEffect.
* Employed React's performance optimization techniques, such as shouldComponentUpdate, React.memo, and useCallback to enhance the rendering efficiency of the application.
* Created RESTful APIs in Java environment using JAX-RS and NodeJS using ExpressJS framework.
* Developed Open stack API to Integrate with GCP (Google Cloud), including creating build images and publishing to artifactory, high availability practices and deploying backup/restore infrastructure.
* Used KAFKA to load the data on Hadoop File system and move the same data to MongoDB - NoSQL database.
* Implemented Service Oriented Architecture (SOA) using JMS for sending and receiving messages while creating Restful web services.
* Used Ember.js templates that help to automatically update the model, if contents of applications get changed.
* Followed Java & J2EE design patterns and the coding guidelines to design and develop the application.
* Consume REST based Micro services with REST template based RESTful API and utilize spring cloud to manage the complexity. Built GraphQL api to query from UI.
* Used ReactJS in development of the web application to bind the data/model that is being retrieved from a database through services provided in a controller to the view using scope.
* Worked on creating Restful API's using Ember.JS to be consumed by the backend.
* Developed python scripts to migrate information from Oracle to MongoDB.
* Worked on MongoDB for building queries and aggregating data.
* Used Hibernate, ORM solution technique of mapping data and involved in creating Hibernate POJO Objects and mapped using Hibernate Annotation.
* Deployed the code in Jenkins server and setting up Docker Containers with Docker Swarm for continuous integration and build.
* Designed DOM based interactive to reprogram selected links and adopted WCAG 2.0 standards for HTML and XHTML and W3C standards for CSS as well.
* Developed SOAP/REST based web services supporting XML and JSON message formats. Performed Benchmarking and Load testing using Cassandra-stress tool.
* Developed Kotlin web applications with Micronaut and Spring Reactive framework.
* Worked with Apache Kafka, JMS and RabbitMQ as the message-oriented middleware. Modified CSS-driven layouts and manipulate the visual layout, especially during code-freeze.
* Worked with task runner GULP, Jasmine test framework and Test-Driven Development (TDD).
* Created interactive data charts on Customer portal web application using High charts JavaScript library with data coming from Apache Cassandra. Build REST web service by building Node.js Server in the back end to handle requests sent from the front-end jQuery Ajax calls.
* Designed and implemented the logging mechanism using SVN as a version control tool and Ant for building and deploying the application.

**Environment:** Java 1.8, Kotlin, SVN, Gitlab 7.0, Oracle 12c, Apache, Splunk, Restful, JSON, XML, JUnit 4.9, Spring 4.2,Spring Boot, Spring AOP, Spring Hibernate, Micronaut, JBoss, Jenkins, Gradle, Docker, Kubernetes.

**Client: Amazon, Hyderabad, India May 2018 – Apr 2020**

**Role: Jr Software Development Engineer**

**Responsibilities:**

* Followed **Agile** methodology meetings to track, optimize, and develop sequence diagrams depicting method interactions, using MS Visio.
* Developed user-friendly web-based GUI using JSP, AngularJS, CSS, and HTML, JSTL tag libraries in JSP pages based on the W3C standards.
* Setup and build AWS infrastructure various resources, VPC-EC2, S3, IAM, EBS, Security Groups, Auto Scaling, and RDS in Cloud Formation JSON templates.
* Automated the provisioning and management of EKS clusters using Infrastructure as Code (IaC) tools like Terraform.
* Implemented CI/CD pipelines for continuous deployment to EKS clusters, enabling rapid and reliable delivery of applications.
* Integrated Spring and Hibernate together and worked on developing backend components and services using Hibernate and spring.
* Used Ember.js and Twitter Bootstrap as the front-end frameworks to develop the Single Page Applications.
* Built RESTful API in Java using JAX-RS for obtaining proper error codes, URL Mapping and implemented them using Jersey.
* Configured and managed RabbitMQ exchanges, queues, and bindings to ensure efficient routing of messages and optimized message delivery.
* Used various libraries of JavaScript like jQuery, backbone.js, Ember.js Require.js and node.js to develop User Interface of web pages.
* Designed and developed horizontally scalable APIs using Python Flask.
* Designed and implemented scalable, RESTful and microservices-based mobile back-end. Extracted Data from RDMS into Cassandra Cluster using Sqoop and involved in commission and decommission of the nodes in the existing Cassandra cluster.
* Employed various core and J2ee design patterns like factory, DAO, Command, Business Delegate, MVC, Service locator.
* Worked on Log analysis web application by using elastic search tools with Docker cross platform.
* Transformed designs mock-ups to customized standards HTML pages using HTML, CSS, JavaScript, jQuery, JSON and XML.
* Used SVN for version control across common source code used by developers. Code to build automation tasks using Gulp and Grunt and involved in writing server-side scripts using Node.js and Express.js framework.
* Used jQuery Grid plugin for data manipulation between presentation and business logic layers.
* Worked on Service Oriented Architecture (SOA) and its related technologies like Web Services, BPEL, WSDLs, SOAP, XML, XSD, XSLT

**Environment:** Java 1.8, SVN, MySQL, Oracle 12c, Splunk, Restful, JSON, XML, JUnit 4.9, Spring 4.2,Spring Boot, Spring Hibernate, JBoss, Jenkins and AWS.

**Client: TRC Inc., Hyderabad, India Sep 2014 – Apr 2018**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Followed Agile methodology meetings to track, optimize, and develop sequence diagrams depicting method interactions, using MS Visio.
* Developed application using Spring MVC, JSP, JSTL, and AJAX on the presentation layer, the business layer is built using Spring, and the persistent layer uses Hibernate.
* Data Operations were performed using Spring ORM wiring with Hibernate and Implemented Hibernate Template and criteria API for the Querying database.
* Developed various J2EE components like SAX, XSLT, JAXP, JNDI, LDAP, JMS, and MQ Series.
* Used AJAX in suggestive search and to display dialog boxes with JSF and DOJO for front-end applications.
* Implemented all the components of the Spring Framework (Controller classes, Spring Bean Configuration file (dispatcher-servlet.xml).
* Developed Web Services using XML messages that use SOAP. Developed Web Services for Payment Transaction and Payment Release.
* Used WSDL and SOAP protocol for Web Services implementation.
* Worked in the Struts framework based on MVC Architecture.
* Wrote stored procedures, and SQL scripts in Oracle for Data Accessing and manipulation.
* Compiled and built the application using ANT scripts and deployed the application.
* Configured and created application log files using Log4J.
* Actively involved in code reviews and bug fixing.
* Participated in the status meetings and status updates to the management team.

**Environment:** Java/J2EE, JSP, JSTL, JSF 3.0, AJAX, Hibernate 4, Spring, Servlets, XML, web services, WSDL, SOAP, HTML, Oracle 10g, ANT, Log4J