**Rithwik Vallapureddy**

**v.rithwik5014@gmail.com**

**(347) 674-7288**

**PROFESSIONAL SUMMARY**

* **10 years** of involvement in the design, development, deployment and test of client-server, web-based and distributed software applications by using **J2SE**, **JEE, and** **J2EE** technologies.
* Experience in the **SDLC** process that includes the translation of requirements into functional and technical specifications, Designing, Developing, Testing Implementation & Post-Production support using development methodologies like **Waterfall** and **Agile**.
* Experience in System Analysis, Design, Configuration, Code management, and maintenance in the sectors of **Banking**, **Finance**, **E-commerce**, and **Health**.
* Expertise in **DOM** manipulation using **JavaScript**, **DOJO**, and **jQuery**.
* Experience with spring modules like **Spring IOC** and Knowledge of **Spring DAO**, **ORM,** and **AOP**.
* Hand-on experience with **Restful** **web** **services**, used **JAX**-**RS** to implement **RESTful** applications in Java.
* Extensive experience in working with **SOA** architecture and web services (**SOAP**, **WSDL**, **UDDI**) using Apache Axis.
* Experience with automation deployment using **Terraform**.
* Hands-on experience with **Docker**.
* Hands-on experience with **Spring, Spring MVC, Struts**
* Good knowledge on **Active Directory** (AD) Services.
* Worked and knowledge on protocols **HTTP**, **HTTPS**, **FTP**, and **SMTP**.
* Good knowledge on **TCP/IP** protocols and **TCP/IP** models.
* Good knowledge on issue tracking product **JIRA**.
* Experience on architectures like **Model-View-Controller** (MVC), **Service-Oriented-Architecture** (SOA).
* Expertise in implementing various **J2EE** design patterns like **Singleton**, **Session Facade**, Data Access Objects (**DAO**), Factory, Data Transfer Object (**DTO**) and Business Delegate in the development of Multi-Tier Distributed Applications.
* Developed J2EE applications by using the IDE’s such as **Eclipse**, **NetBeans** and **IntelliJ**.
* Experience in deploying applications using Application Servers like **Web Logic**, **JBOSS**, **Oracle App Server**, and web server like **IBM WebSphere,** **Apache Tomcat.**
* Good knowledge in usage of version controls such as **CVS**, **Git**, **SVN** and **ClearCase**.
* Extensive experience in Oracle RDBMS design and developing stored procedures, packages, triggers, cursors using **SQL** and **PL/SQL**.
* Expertise in XML Technologies **XML**, **XSLT**, **XSD** and Worked on parsers like **JAXB**, **JAXP**, **SAX** and **DOM**.
* Good knowledge in **log4J** implementation to persist the data into log files and experience with **ant** and **maven** for the build and deployment of applications.
* Well versed in developing various database objects like Tables, Packages, Stored Procedures, Functions, Triggers, Indexes, Constraints, Materialized Views and others in **Oracle 10g database**, **IBM DB2 database**.
* Extensive involvement in development and Performance tuning of **SQL** and **PL/SQL** scripts.
* Experience on **Jasper Reports**, **Crystal Reports** and knowledge on **Oracle Reports**.
* Technical expertise in the areas of Object-Oriented Analysis and Design (**OOAD**) Using different methodologies and UML using **rational rose**.
* Excellent team player with good analytical, strategic planning and interpersonal and communication skills.
* Highly motivated, enthusiastic and self-starter.

**Education**

EDUCATION: Bachelors in CS, KITSW-2011, Kakatiya University, Warangal.

**TECHNICAL SKILLS**

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| **Technical Proficiency** |
| **Languages** | C, C++, Java, SQL and PL/SQL |
| **Enterprise Java** | Java, J2EE, Swing, RMI, Sockets, JDBC, Servlets, JSP, JMS, Java Beans, JSTL, JSF, Struts, EJB, Spring, JTA, JNDI and JPA |
| **Tools & Frameworks** | Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, JMS, JSF, Log4J, SOA, Jasper reports, SOAP UI, Spring Boot, Spring Batch, Spring Security, and Spring Data |
| **Databases** | Oracle 8i/9i/10g/11g, Sybase, SQL Server 7.0 / 2000, DB2, MySQL and MS Access 2000 |
| **Web Development** | HTML, XHTML, CSS, XML, XSD, XSL/XSLT, SAX/DOM, AJAX, JSON |
| **Scripting Language** | Shell Script, bash, Perl, JavaScript, jQuery, AngularJS, ReactJs |
| **Web/App Servers** | Web Sphere, Apache Tomcat, JBoss, WebLogic |
| **Tools** | Eclipse3.0, Net Beans5.0, Clear Case, Clear Quest, CVS, SVN, Perforce, Sub Version, Dream weaver 2000, Edit plus, VISIO, JUnit, JMeter |
| **Web Services** | SOAP, RESTful, UDDI, WSDL, JAX-RPC, JAX-RS JAX-WS, JAX-B, Apache Axis2, Apache CFX, JMS, MQ |
| **Cloud Computing** |  VPC, S3, Route53, Direct Connect, VPC, SNS, Elastic Beanstalk, Simple DB  |
| **Version Control** | GIT, CVS, SVN, Rational clear case |

**PROFESSIONAL EXPERIENCE**

**Client: Fidelity Investments April’2020-present**

**Location Jersey City, NJ**

**Role: Java Full Stack Developer**

**Description**: **CM (Collateral Management):** Cash and Collateral Management application are being used for margin calls for America, Europe and APAC region. Supports the function of calling from or paying, to, margin for clients on daily basis. Margin is calculated in CM margin account falls below the required amount margin calls issued by CM. CM confirm the actual amounts to be moved. The amounts are then settled and verified in CM, payments are transferred to CM using Swift payments.

**Responsibilities:**

* Used **Java 1.8 Lambda expressions** and Stream API to support functional-style operations on streams of elements.
* Worked on Java functional programming concepts like **Streams**, **Functional** **Interfaces**, new date time API and **lambda** expressions.
* Used **Java 1.8 Lambda expressions** and Stream API to support functional-style operations on streams of elements.
* Parsing swift message MT 101 and generating **Swift messages** (Open Source swift Frame work)
* Implemented JMS Listener on MQ, routing functionalities and invoking corresponding web service using Apache Camel.
* Hands on experience in Configuration Management, Cloud Infrastructure, and Automation like Amazon Web Services (AWS), Ant, Maven, SVN, Git-hub, Clear Case and Tomcat.
* Designed, implemented, and maintained cloud-based solutions on **AWS**, such as EC2 instances, S3 buckets, and VPCs, to support various business use cases.
* Used **Angular router** and implemented module wide routing and created different forms using Angular data driven and template driven forms.
* Developed **Angular 8.0** Components, Services, and Filters and took part in developing unit test and integration test cases using Jasmine, Karma.
* Consumed REST services using **Angular HTTP** and performed various REST Http operations for data retrievals and updates.
* Core Java with Concurrent API is used extensively for parallel processing and chunk processing.
* Used Node.js CLI tool Node Package manager (NPM) to build Angular application.
* **Apache camel Kafka** end point used to publish trade confirmations to **Apache Kafka**.
* Developed component send formatted (JSON) trade data to Rest Endpoint to capture enriched data. Response from Rest Endpoint publishes to MQ using Apache Camel.
* Involved in developing several Fix message New Order singles, Execution, and Confirmation.
* Experience with Docker (images and containers) and Exposure to **AWS** Cloud Deployments and CI/CD DevOps Practices.
* Hands on experience in Configuration Management, Cloud Infrastructure, and Automation like Amazon Web Services (**AWS**), Ant, Maven, SVN, Git-hub, Clear Case, and Tomcat
* Implemented Cloud capabilities **like Centralized Configuration**, **Load Balancing**, Service-to-Service calls using **Feign**, Service Registry and Discovery using **Eureka** in **Spring Cloud**.
* Used **Spring Boot** which is radically faster in building cloud **Micro Services** and develop Spring-based application with very less configuration.
* Developed Micro services & APIs using **Spring Cloud, Spring Security, Spring Boot, Spring Integration**.
* Excellent SQL, database build and tuning, and stored procedure knowledge in **DB2** including the ability to rewrite complex queries or redesign objects for performance improvements
* Extensive experience in Oracle RDBMS design and developing stored procedures, packages, triggers, cursors using **SQL** and **PL/SQL**.
* **Thread pool** and blocking queues used for parallel processing.
* Developed and implemented **data hygien**e protocols to ensure accuracy and completeness of database records.
* Conducted regular data quality assessments to identify and address errors, inconsistencies, and duplications.
* Implemented database schema design and optimization, using **Sybase's** database administration and development tools, to ensure data integrity, performance, and scalability.
* Worked with Sybase backup and recovery mechanisms, such as dump and load, to ensure data reliability and recoverability.
* Gulp is used to build and Bower is used for managing dependencies
* JSON request/response from UI is processed using Spring Boot, Restful features with micro services Architecture and Spring Data Jpa is used to save/retrieve the data in the backend
* Secured the API's by implementing Oauth2 token-based authentication/authorization scheme using spring security.
* Used **Apache Maven** as a build tool for building the Restful web-service.
* Deploy and running the applications on **Linux** Involvement.

**Environment** Java 1.8, concurrent package, lambda expressions, streams, J2ee, webservices, JMS, XML (Dom, Sax, Xpath, Stax, XSLT), IBM MQ, Kafka 2.0, Spring Boot, Apache Camel 2.2, Spring Batch, Spring Data JPA, EHCache, Jprofiler, Angular**6/8**, Eclipse, WebStorm, GIT/Stash (Bitbucket), Jenkins, Confluence,Jira,SourceTree, Swagger, Maven, Windows, Linux,DB2,.

**Client: Citi Group Dec’ 2018 – April’2020**

**Location: Tampa, FL**

**Role: Java Full stack Developer**

**Description: (Accelerator)** Create a scalable application platform to enable the Private Portfolio Group to streamline and automate investment management, marketing, and sales reporting tasks. Create and enhance the existing functionalities offered by MATES to address the scale and efficiency issues and migrate users from the green screen.

**Responsibilities:**

* Followed Agile/Scrum methodology to iterate quickly on product changes, developing user stories and working through
* Backlog, JIRA to record and monitor the stories and backlogs.
* Used JIRA to keep track of bugs to reduce downtime, increase productivity, and Communication.
* Developed Single Page applications using **Angular 6.0,** Typescript, Angular CLI, HTML, CSS, JS and Bootstrap.
* Experience with Docker (images and containers) and Exposure to AWS Cloud Deployments and CI/CD DevOps Practices.
* Hands on experience in Configuration Management, Cloud Infrastructure, and Automation like Amazon Web Services (AWS), Ant, Maven, SVN, Git-hub, Clear Case and Tomcat.
* Used **Angular router** and implemented module wide routing and created different forms using Angular data driven and template driven forms.
* Developed **Angular** Components, Services, and Filters and took part in developing unit test and integration test cases using Jasmine, Karma.
* Proficient in **React.js** and its core principles, such as components, JSX, and state management.
* Experience building responsive and user-friendly interfaces using **React.js** and CSS frameworks such as Bootstrap, Material UI, or Styled Components.
* Skilled in building dynamic web applications that integrate with RESTful APIs or GraphQL using Axios, Fetch or similar libraries.
* Proficient in **GraphQL**, a query language for APIs that allows for more efficient, powerful and flexible communication between clients and servers.
* Experience building **GraphQL** APIs with popular libraries such as Apollo and Relay.
* Able to design and optimize **GraphQL** schemas to ensure proper data modeling and efficient data fetching.
* Familiarity with **GraphQL** query syntax, including queries, mutations, and subscriptions.
* Understanding of **GraphQL's** type system and how to define custom scalar types and GraphQL directives.
* Knowledge of **GraphQL** best practices, including authentication and authorization, error handling, and performance optimization.
* Experience integrating **GraphQL** APIs with various databases and backend systems.
* Consumed REST services using **Angular HTTP** and performed various REST Http operations for data retrievals and updates.
* Developed and optimized complex search queries using **Elasticsearch** Query DSL and aggregation framework to retrieve relevant data for various business use cases.
* Implemented security features such as role-based access control, SSL/TLS encryption, and authentication mechanisms to secure **Elasticsearch** clusters.
* Developed and deployed applications using **MongoDB**, a NoSQL database system, to store and manage large volumes of data.
* Extensive experience in Oracle RDBMS design and developing stored procedures, packages, triggers, cursors using **SQL** and **PL/SQL**.
* Designed database schemas and data models for **MongoDB** to optimize data retrieval and performance.
* Core Java with Concurrent API is used extensively for parallel processing and chunk processing of trade execution data and market data and converts in to JSON and store it DB.
* Experienced in working in AGILE based development environment and participating in Scrum sessions.
* Developed Micro services & APIs using **Spring Security, Spring Boot, Spring Integration**.
* Performed REST validations and created REST exception Handlers and used Postman to test REST services.
* Developed unit test cases using Junit, test REST **microservices** with spring Junit runner.
* Involved in consuming SOAP based web services so that the business application can integrate with legacy applications and facilitates for future applications.
* Implemented **Coherence** Cache which can be used with Spring Annotations.
* Created distributed Oracle **coherence** domains configuration and system design based on oracle **coherence.**
* Developed service using **Spring Cloud Function** which process data sent **Amazon S3** bucket and **Amazon Kinesis** streams using inbound Lambda which parses data, validates, calculates and stores in **DB.** Out bound Lambda processing generate out files sent to Legacy system
* Used Java 1.8 Lambda expressions and Stream API to support functional-style operations on streams of elements.
* Worked on Java functional programming concepts like Streams, Functional Interfaces, new date time API and lambda expressions.
* Developed scalable and maintainable applications using Java and **Scala** programming languages.
* Collaborated with cross-functional teams to identify and implement solutions that met business requirements.
* Participated in Agile software development methodologies, including Scrum and Kanban, and utilized project management tools like JIRA to track progress and manage tasks.
* Design and implementation of different micro services and its **Docker** files.
* Created and maintained Docker images and Docker containers.
* Configuring the Docker containers and creating Docker files for different environments.
* Leveraged Elastic container services to run Docker micro services in AWS.
* Used Multi-Threading and collection framework including List, Map etc.
* Used Apache Maven as a build tool for building the Restful web-service.

**Environment**: Java 1.8, concurrent package, lambda expressions, streams, JavaScript, , JDBC, JPA,

Hibernate, JAX-B, JAX-RS, , Oracle , GitHub, , ServiceNow, Spring Boot, Spring Batch, JMS, Tibco EMS Autosys,

Eclipse, Unix, JUnit, Log4J, Angular 6, HTML, CSS, and Bootstrap, Docker, AWS, Swagger, Microservices, Docker

, AWS, JIRA, Jenkins.

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**Client: AIG Feb’2017 – Dec’ 2018**

**Location: Charlotte, NC**

**Role: Java Developer**

**Description: : Brics** application migrate and design a responsive web application that would help customers in getting current **insurance** **quotes** as well as **managing claims**. There were several addendums to this application such as policy underwriting, claims processing and policy approvals. The core role was dedicated to working on e-commerce module for customers for getting quotes, buying and renewing policies, updating personal information

**Responsibilities:**

* Followed **Agile/Scrum** methodology that included iterative application development, weekly Sprints and stand-up meetings.
* Spring JDBC used retrieve and update, inserting data in oracle database with use of stored procs.
* EhCache used to store Reference Data.
* Maven is used for build and deploy the application in WebSphere Application Server (WAS)
* Used **Multi-Threading** and collection framework including List, Map etc.
* Used **Apache Maven** as a build tool for building the Restful web-service.
* Used JIRA to fix bugs and track the workflow.
* Developed UML diagrams like use case diagrams, sequence diagrams, class diagrams and ER diagrams to depict the business requirements into technical modules
* Implemented the services using core java 1.7, JPA 2.0, Hibernate 4.3 and Spring 3.0 for IOC injection and MVC, IBM MQ and EJB’s and MDB’s
* Developed the asynchronous MDB components and configured JMS components in WebLogic Application Server
* Configured and administered JDBC connection pools, data sources, JMS connection factories, JNDI in WebLogic 10.3

 **Environment**: Java, Spring, Hibernate , GIT, IBM MQ, JUnit, Tomcat, Maven, Restful, JAX-RS, Log4J,JIRA, Jenkins

**MASTER PROFILES Nov’2015 – Dec’ 2016 Location: Chennai, India**

**Role: Java Developer**

**Description:** Automated Quotation System has three modules divided based on the type of logins. It has a Technical Administration Module, Administration Module and User Module. The user module is basically to create projects, prospects, and quotations. There is a well-designed quotation builder and an editor to describe the quotation and to add up items to the quotation. The workflow and approval process is also inbuilt in the quotation.

**Responsibilities**:

* Involved in the **Analysis**, **Design**, **Implementation** and **Testing** of Software Development Life Cycle (**SDLC**) of the project.
* Assisted the analysis team in performing the feasibility analysis of the project.
* Designed **Use Case diagrams, Class diagrams** and **Sequence diagrams** and **Object Diagrams** in the detailed design phase of the project using **Rational Rose 4.0**.
* Developed presentation layer of the project using **HTML, JSP 2.0, JSTL and JavaScript** technologies.
* Developed complete Business tier using Stateless and Stateful Session beans with **EJB 2.0** standards using **Web Sphere Studio Application Developer** (WSAD 5.0).
* Used various **J2EE design patterns**, like **DTO**, **DAO**, and **Business** **Delegate**, **Service** **Locator**, **Session** **Facade**, **Singleton** and **Factory** **patterns**.
* Consumed Web Service for transferring data between different applications.
* Used **Object/Relational mapping Hibernate 3.0** framework as the persistence layer for interacting with **Oracle** **9i**.
* Extensively used **IBM Web Sphere 5.0** while writing code and for creating Data Sources.
* Written complex **SQL** queries, stored procedures, functions and triggers in **PL/SQL**.
* Configured and used **Log4J** for logging all the debugging and error information.
* Involved writing code for Request Processor class to extend the functionality of **struts** Controller.
* Developed **Ant** build scripts for compiling and building the project.
* Used **IBM Web Sphere 5.0** for deploying the application.
* Used **CVS** **Repository** for Version Control.
* Created test plans and **JUnit** test cases and test suite for testing the application.
* Participated in the production support and maintenance of the project.

**Environment**: J2EE, Java/JDK, JDBC, JSP**, Struts 2.**0, Web Services, SOAP, REST, JavaScript, CSS, JNDI, JavaBeans, XML, XSLT, Oracle 10g, TOAD Eclipse, HTML/ DHTML, Windows, JAXB, MySQL, IBM WebSphere, HTML, CSS, Spring 3.0, Hibernate 3.5.6, Maven, JUnit, Log4j, SVN, Servlets, jQuery, JSP

**I Gate, Oct’2012- Nov’ 2015**

**Location: Chennai, India**

**Role: Java Developer**

**Responsibilities:**

* Performed analysis for the client requirements based on the developed detailed design documents.
* Developed Use Cases, Class Diagrams, Sequence Diagrams and Data Models using Microsoft Visio.
* Developed STRUTS forms and actions for validation of user request data and application functionality.
* Developed JSP’s with STRUTS custom tags and implemented JavaScript validation of data.
* Developed programs for accessing the database using JDBC thin driver to execute queries, Prepared statements, Stored Procedures and to manipulate the data in the database.
* Developed the application using J2EE architecture.
* Involved in developing JSP forms.
* Designed and developed web pages using HTML and JSP.
* Involved in developing business tier using stateless session bean.
* Used JavaScript for the web page validation and Struts Valuator for server-side validation.
* Designing the database and coding of SQL, PL/SQL, Triggers and Views using IBM DB2.
* Written complex **SQL** queries, stored procedures, functions and triggers in **PL/SQL**.
* Developed Message Driven Beans for asynchronous processing of alerts.
* Used JDBC for database connectivity with MySQL Server.
* Used CVS for version control.
* Used Clear case for source code control and JUNIT for unit testing.
* Involved in peer code reviews and performed integration testing of the modules.

**Environment:**  Java, J2EE, Struts, HTML, JDBC, ANT, XML, IBM Web Sphere, JUNIT, DB2, Rational Rose, CVS, UNIX, Clear Case. JavaBeans, XML, XSLT, Oracle 10g, TOAD Eclipse, Maven, JUnit, Log4j, SVN, Servlets, JSP.