Raghuma Reddy
Sr. Java Engineer
Rpininte.09@gmail.com **714-592-0706**
https://www.linkedin.com/in/raghuma-reddy/

Professional Summary:

- Overall, 9 years of Experience in requirement gathering, analysis, design, development, integration, and testing of Client/Server based applications using **Java** and **J2EE** object-oriented technologies.
- Well versed in all stages of **Software Development Life Cycle** including requirement analysis, design, development with various methodologies such as Waterfall, Incremental, Iterative and **Agile** models. Strong experience in continuous integration and **TDD** Test Driven Development.
- Experience working extensively in all phases of a project development life cycle from Requirements analysis, Design, Implementation, Testing, Documentation, Standard reviews, and Maintenance support.
- Extensive experience in implementing OOPS concepts using **Java/J2EE** technologies such as **JDBC, JSP, JSF, EJB, Hibernate, Spring, Spring Batch, XML, XSD, XSL, JNDI, Web services**, **Struts,Hibernate**, **JMS, AJAX.**
- Experience in design architecture and development of batch jobs using **Quartz** and **Spring Batch**.
- Responsible for developing web applications using **Angular 12 and** bootstrap Hands-on experience in MVC framework using **Angular**, custom Directives, and Controllers.
- Experience using **Redux** to manage the application state and applying middleware such as **redux-promise**, **redux-thunk** and **redux-saga**.
- Intermediate experience with Advanced JavaScript including prototype-based inheritance, **AJAX, JSON** and familiar with JavaScript frameworks such as **JQuery** and **JQuery-UI**
- Experience in Developing User Interface (**UI**) Rich Web Applications, and Web Service Applications using Front End/User Interface (**UI**) Technologies like Object Oriented **JavaScript, Type Script, Angular 2.0, Angular 4, Angular, Node JS, Bootstrap, Media Queries, CSS Frameworks, Java.**
- Expertise in **Core Java** Concepts like **OOPs**, **Garbage Collector, Collections**, **Multithreading**,**Exception Handling, Generics, Synchronization, Serialization and De-serialization.**
- Experience in using **React JS components, Forms, Events, Keys, Router, plus Redux,** and Flux concept.
- Familiar with creating Custom Reusable **React JS Components Library**.
- Experience in writing and debugging **shell Scripts**. Worked with scripting languages like**JavaScript.**
- Deployed and monitored scalable infrastructure on **AWS** and configuration management using Chef.
- Hands-on experience in creating **Angular modules, controllers, directives** to deploy business logic.
- Strong experience in developing Dynamic Single Page Application (SPA) using MEAN (**Mongo,Express Angular** and **Node JS**) full stack development tool kit.
- Hands on working with **GraphQL** schema, queries, and mutations to interact with Mongo DB and several other data layers.
- Good Knowledge of working with Apollo clients to interact with **GraphQL** server.
- Exposure in Microsoft Azure Cloud Technologies - Azure Data Factories, Azure Dev Ops, Azure Data Lake Storage Gen2, Azure Databricks, Azure SQL Data Warehouse, Azure SQL Database, Azure Data Architecture and AWS - AWS Cloud Formation, Compute (EC2), Storage (S3), and Database - RDS, and Apache Spark, and PySpark.
- Strong experience and knowledge of Real time data Analytics using Spark streaming, Kafka, and flume.
- Setup Datadog monitoring across different servers and **AWS** services.
- Worked on several python packages like **NumPy, SciPy, Pytables**.
- Promoted web applications running on NodeJS using the Express framework, Vue.js and Backbone.js with Mustache.js for front end MVC/templating.
- Well versed in querying **MySQL**, **PostgreSQL**, **Oracle 11g R2** DB - Optimizing **SQL queries**,**indexing**, **PL/SQL** procedures and exception **handling**.
- Experience in JSP, Java Beans and Servlets for developing applications using MVC architecture.
- Adopted pair programming technique and addressed issues during system testing.
- Performed **Unit Testing, Integration Testing,** and generation of test cases for web applications using **Log4J, Mockito** and **Jasmine** for front end testing and automation framework like **Selenium.**
- Performing Regression test using automated testing tool QTP, Fitnesse and Selenium.

- Automating Angular applications by using Protractor, Jasmine and Karma using Java script.
- Experience in developing applications as **Microservices** using **Spring Boot** based on **ServiceOriented Architecture** (**SOA**) with **ESB (Enterprise Service Bus).**
- Extensive experience in **ORM** using **Hibernate**, **Hibernate OGM,** and **Spring Data JP** frameworks.
- Proficient in **Struts, Spring, Hibernate** and Portal framework-based implementation with goodcommand over Web Logic Application Server.
- Strong knowledge in web services testing via Tool **SOAP UI/ Restful web services.**
- Expertise in **Amazon Web Services (AWS)** such as **EC2, AWS RDS, Dynamo DB, S3, ElasticBeanstalk, VPC and Security groups, Simple Email Services, Simple Notification Services.**
- Created functions and assigned roles In AWS Lambda to run **python scripts** and AWS lambdausing Java to perform **Event driven processing**.
- Extensive involvement in Designing **Azure Resource Manager** Template and in designing custombuild steps using **PowerShell**.
- Point team player on OpenShift for creating new Projects, Services for load balancing and addingthem to Routes to be accessible from outside, troubleshooting pods through **SSH** and **logs**.
- Good at hosting plans for Azure Infrastructure, Deploying workloads on **Azure virtual machines**.
- Hands on experience in **Azure** Development, worked on **Azure web application**, **App services**, **Azure storage**, **Azure SQL Database**, **Virtual machines**, **Azure AD**, Azure search,and notification hub.
- Deployed cloud-based solutions leveraging **GCP's** infrastructure as a service and platform as a service.
- Expertise in **migration** and **upgradation** of WebLogic Server and updating **JDK versions,applying patches** and installing **service packs** for WebLogic Server.
- Experience on log parsing, complex **Splunk** searches, including external table lookups, **Splunk** data flow, components, features and product capability.
- Experience in the Administration, Installing, Configuring Apache, Sun ONE 6.1Web Server iPlanet, Microsoft IIS Server. Strong in Configuring **JBoss** and **Apache Tomcat** Application Servers.
- Played a key role in the deployment on AWS using **GitHub**, **Terraform**, **Puppet**, **Chef** and Jenkins.
- I have knowledge on partition of Kafka messages and setting up the replication factors in **KafkaCluster.**
- Worked on **MuleSoft** Integrations tool to connect a variety of data sources and applications.

Technical Skills:

Technologies	**Java, J2EE, Java Beans, JSP/JSF Servlets JDBC, JNDI, Java Mail,Java Messaging service, JMS Multithreading, Clojure, Spark, Pyspark.**
Web Services	**SOAP, REST, JavaScript, SQL, PL/SQL, UML, HTML, XML, CSS, MVC framework**
Application Servers	**WebLogic, WebSphere, Tomcat, Jboss, Spring, Struts, Hibernate,Apache**
Databases	**NoSQL, MySQL, Oracle Server**
Operating System	**Windows, UNIX, Linux**
IDE	**Eclipse, IntelliJ, Net beans**
Tools	**Maven, Junit, Puppet, Selenium, Jenkins, Terraform, Chef, Kafka, Jira.**
Version Control	**CVS, Git hub, Clear Case, Clear Quest**
GUI	**Portlets, AJAX, jQuery, JSP, XML/XSL/DOM, XSD/DTD, SOAP, WSDL, HTML/DHTML, Applets, JavaScript, DOJO, Java Swing/JFC**
Software Methodologies	**Agile, Iterative, Waterfall, Test Driven, Scrum Design Patterns Session Faade, Service Locator, Front Controller, View Helper, Value Object, Business Delegate, Data Access Object, Factory andSingleton**

Professional Experience:

Client: Epson America, Los Alamitos, CA   **Jun 2021 – Till Date**
Role: Sr. Java Software Full-stack Engineer

Responsibilities:

- Actively worked in **Analysis**, **Design** and **Development,** followed **Test-Driven-Development.**
- Developed the application using agile methodology and demonstrated the functionalities to the business users in every sprint.
- Implemented **Clojure** codebase optimizations, improving performance and reducing resource consumption.
- Initiated dynamic responsive Web Application by integrating **Angular 12** with Bootstrap which is further integrated with **Web Services** and **Vue.js.**
- Implemented Single page application (SPA) using the latest technologies like **Angular, Typescript, Bootstrap, JavaScript, CSS, HTML.**
- Created **TypeScript** reusable components and services to consume **REST API'S** using component-based architecture provided by **Angular**.
- Built **Angular 12** components, **UI** services to consume rest services using Component based architecture provided by **Angular 9.**
- Developed the components using **Angular 12** needed for the application from scratch and customized from various Angular related libraries to meet the application's functionality.
- Moved **controllers** and **services** to **Angular 12 components** for more responsive and less dependency.
- Writing the **front-end** look and appearance for the screens using Bootstrap, JavaScript, AJAX.
- Integrated **ClojureScript** into projects, enabling seamless client-server communication and enhancing user experience.
- Experienced in leveraging clojures in JavaScript and Java (via lambdas) to implement encapsulated business logic and functional-style programming.
- Applied **clojures through lambda expressions** and functional interfaces to write cleaner, more maintainable business logic in Java applications.
- Implemented comprehensive unit tests using **Clojure's** built-in testing framework and popular libraries like **Midje** or **clojure.test**, ensuring code reliability and correctness.
- Automated **Angular** application module using protractor by writing **java scripts** and Used **Jasmine** as unit testing framework.
- Strong experience in writing **Perl scripts, Shell scripting** covering data feed handling, implementing business logic.
- Written **shell scripts** and regular Expression to **extract data from raw data/file**.
- Used **Vue.Js** events distribution and parent chain for parent child component communication.
- Worked on multiple components for different course element players and quiz question players using **Vue.Js** and Vuex.
- Worked on data driven testing, Cross browser testing and parallel test execution using **Selenium Web driver** and **Selenium** Grid and used **JMeter** for load and performance testing.
- Performed Integration and Regression testing to check compatibility of new functionality with the existing functionalities of the application using Selenium.
- Worked closely with **QA** team and fixed **QA** bugs and production issues with quick turnaround time.
- Used **Spring Boot** which is radically faster in building cloud **Microservices** and develop spring-based application with very less configuration.
- Implemented the application using **Spring Boot** and handled the authentication, authorization, and access-control features by using **Spring Security.**
- Developed **Micro Service** to provide **Restful API** utilizing Spring Boot with various data persistence frameworks such as **Hibernate**, **Spring Data JPA** and messaging engines.
- Development of **Python APIs** to dump the array structures in the processor at the failure point for debugging.
- Debugging the failure issues by capturing the array and registering dumps using **python scripts**, **traces** and performing several experiments by interfacing with the design team.

- Designed and developed **Microservices** using **REST** framework and **Spring Boot** and used **Bootstrap** along with **Angular 12** in creating the Application.
- Implemented Test-Driven-Development using testing frameworks like **Junit** and **Mockito**.
- Used IBM DB2 database for application development using Squirrel **SQL** Client as database tool and used **Liquibase** for creating, inserting, and updating the tables in DB2 Database.
- Interacted with **GraphQL** server by writing mutations and queries by using Apollo client.
- Experience with creating **script** for data modeling and data import and export. Extensive experience in deploying, managing, and developing **MongoDB** clusters.
- Created **GraphQL** schema and queries to interact with **MongoDB** Database.
- Experience with **GCP's** data services, including Bigquery, cloud storage, cloud SQL and firestone.
- Worked on **MongoDB** database concepts such as locking, transactions, replication, and schema design.
- Involved in design and development of **GraphQL** and services to interact with data storage layer.
- Designed and implemented a **SQL** based database and associated **RESTful** web service that persists high-volume user profile data.
- Worked on Data Migration from **PL/SQL 11 to Oracle 12C.** Creating and replacing procedures to migrate old data into new systems for database storage.
- Implemented **log4j** for application logging and troubleshoot issues in debug mode and used test cases using Junit during development model.
- Analyzed Use Case and created various UML Diagrams like **Class diagrams** and **Sequence diagrams.**
- Writing **Splunk** Queries, Expertise in searching, monitoring, analyzing and visualizing **Splunk** logs.
- Used **Jenkins** to build artifacts and Splunk to view our logs.
- Setup Continuous integration with **Jenkins** and make use of wide range of plugins available to set up smooth developer friendly workflows.
- Installed and configured **Splunk** Universal Forwarders on both **UNIX** (Linux, Solaris, and AIX) and **Windows Servers**.
- **Splunk** Architecture/Engineering and Administration for **SOX** monitoring and control compliance.
- Produced client-side validation through **JavaScript** and **Ajax** for asynchronous communication.
- Developed automation system using **PowerShell scripts** and **JSON** templates to **Azure services.**
- Authorized several scripts leveraging VMware's **PowerCLI** and windows **Powershell** to aid with capacity planning and monitoring of the virtualization infrastructure.
- Used **Hibernate,** object/relational mapping **(ORM) solution**, technique of mapping data representation from **MVC model to Oracle Relational data** with SQL-based schema.
- Worked on connecting Spark applications with external data sources such as relational databases (JDBC) and NoSQL databases.
- Parsers written in Python for extracting useful data from the design database.
- Usage of advanced features like Pickle/unpickle in **Python** for sharing information across the applications.
- Used **Mocka, Karma** for UI testing and used **Junit and Mockito** for Back-end code testing.
- Worked closely with Account Managers, Consultants and Programmers to coordinate implementation of various platforms as well as customizations requested by the client.
- Configured & deployed Java8 applications on **Amazon Web Services (AWS)** for a multitude of applications utilizing the AWS stack, cloud formation.
- Implemented a **server less** architecture using **API gateway**, **Lambda**, **DynamoDB** and deployed **AWS Lambda code** from Amazon S3 buckets. Created a Lambda Deployment function and configured It to receive events from S3 bucket.
- Worked on **AWS S3** for storage of data. Used S3 storage for storing of artifact and Images. Created IAM role with S3 access and integrated that role to EC2. Used **Jenkins** for **CI/CD** on EC2 Instance.

- Setup **GCP** firewall rules to allow or deny traffic the Vm's instances based on specified configuration and used **GCP** cloud **CDN** to deliver content from **GCP** cache locations drastically improving user experience and latency
- Used **Java Messaging Services (JMS)** for reliable and asynchronous exchange of important information. Used **ActiveMQ** as a messaging server for JMS.
- Involved in development of test environment on Docker containers and configuring the docker containers using **Kubernetes.**
- Deployed the **Dockerized** Spring Boot application that is intended to run on dev local machine.
- Responsible for implementing monitoring solutions in **Ansible, Terraform, Docker, and Jenkins.**
- Managed multiple **GCP** services using cloud console, gcloud CLI and API.
- Created a custom **Puppet** module skeleton to use the same structure across all **Puppet modules**.
- Design, installation, configuration, and administration of Linux 5,6 and 7 servers and support of OpenShift Enterprise and non-OpenShift support.
- Worked on Big Data Integration &Analytics based on Hadoop, Spark, Kafka, Storm, and web Methods.
- Configured Spark jobs and tuned cluster resources for optimal performance on Amazon EMR, Google Dataproc, and on-premises Hadoop clusters.
- Managing the OpenShift cluster that includes scaling up and down the **AWS** app nodes.
- Used **Kubernetes** to orchestrate **Docker** containers and configure the pods to run the application.
- Building Docker container clusters managed by **Kubernetes** Linux, Bash, GIT, Docker on GCP.

Client: Caterpillar Inc, Chicago, IL   **Jul 2019 – May 2021**
Role: Sr. Java full-stack Engineer
Responsibilities:

- Responsible for gathering the system requirements, System analysis, design, and development.
- Created **UML diagrams (use case, class, sequence & collaboration diagram)** based on the business requirements using **IBM Rational Software Modeler.**
- Utilized **clojures via lambda expressions** to manage callback functions, particularly in asynchronous operations and stream processing.
- Proficient in using Java 8+ lambda expressions and clojures to encapsulate behavior, simplify code, and implement functional programming paradigms.
- Developed highly **complex tables, views, procedures, SQL shell scripts, query performance, excel pivot tables**. Use data for analysis and determine the root cause of a business problem.
- Worked on batch performance through data processing **using Perl, Shell scripting and Unix.**
- Actively participated in Sprint sessions and participated in the daily **Agile** SCRUM meetings.
- Developed the reusable common validation framework for client-side validations in combination of **java script** and commons validations framework and custom build validation rules for the application.
- Used **TSLint** tool that checks **Typescript** code for readability, functional errors, maintainability.
- Used **Webpack** to bundle **Typescript** and JavaScript modules.
- Application we used **Html, CSS, Bootstrap, React, NextJs, Java Script** and Node.JS as a server.
- Implemented stable **React components** and **stand-alone functions** to be added to any future pages.
- Used Redux form to manage for state in redux.
- Developed various screens for the **front end** using React JS and used various predefined components from **NPM** and **Redux library.**
- Created reusable **React** components and managed application state with **Redux**.
- Developed and performed test cases using **jasmine** and **Karma** in the unit test and used the **protractor** and **Http-server** for the **End-to-End** testing.
- Extensive use of **Node.js** and **Mongo DB** along with Mongoose.JS to create server-side applications.
- Applied write concern for level of acknowledgement while **MongoDB** write operations and to avoid rollback.
- Processed and analyzed large datasets using **Spark** SQL and Data Frames for business intelligence and reporting.

- Installation of **MongoDB** RPM's, Tar files and preparing **YAML** config files.
- Involved in making efficient and fast application running using Node.js Non-blocking I/O.
- Maintained **Interface** compatibility and **concurrency** in the project using **Java 8** new features like default, static methods, and Concurrency API.
- Developed data web applications and deployed the script using client-side scripting using **JavaScript.**
- Created new **REST** web service operations and modified the existing web service's **WADL**s Web Application Description Language. Also used **SOAP UI tool** to test the REST web service operations.
- Used **Spring Boot** to develop beans from already developed parent beans.
- Implemented Test First unit testing framework driven using **Junit**, and published assertion framework built on top of the **Junit Assertions.**
- Created whole test framework using **Selenium** for further test creation and execution.
- Extensively used Selenium IDE to record, playback and debug individual test cases, using Selenium WebDriver provided more flexibility in automating test cases.
- Designed and Configured **Azure virtual Networks**, Subnets, **Azure network settings**, DHCP address blocks, DNS settings, Security policies and routing.
- Developed **Microservices** using **Spring Boot**, **Spring Security** and deployed to **Azure** cloud.
- Implemented **REST** Microservices using spring boot. Generated Metrics with method level granularity and Persistence using Spring AOP and Spring Actuator.
- Used various cloud computing tools and worked on **Azure environment**.
- Deployed **Azure IaaS virtual machines** and **cloud services** into secure Vnets and subnets.
- Build components scheduling and configuration using Maven, Quartz.
- Developed the modules by using **AWS SDK** to make a daily back up of **EC2** Instance volumes.
- Used **NOSQL** database Amazon dynamo DB to store data of reporting Application.
- Involved in setting up **Jenkins Master** and multiple slaves for the entire team as a CI tool as part of **Continuous development and deployment process.**
- Created custom fully automated solution using Windows **PowerShell** to export individual mailboxes from the exchange environment and save them as separate PST files.
- Implemented Windows **PowerShell** Scripts to monitor the event logs of critical windows servers in real time and filter for specific errors.
- Provide consulting and cloud architecture for premier customers and internal projects running on **Microsoft Azure platform** for high availability of services, low operational costs.
- Configured routes to enable ExpressRoute connections between **on-premises data** and **Azure cloud.**
- Responsible for developing **Splunk queries and dashboards** targeted at understanding application performance and capacity analysis.
- I have been involved as a **Splunk** Admin in capturing, analyzing and monitoring **front end** and **middle ware applications.**
- Extensively used **Splunk** Search Processing Language (SPL) queries, Reports, Alerts and Dashboards.
- Deployed and designed pipelines through Azure data factory and debugged the process for errors.
- Exposed virtual machines and cloud services in the **VNets** to the internet using **Azure external load balancer.**
- Developed **Maven/Docker** builds scripts and implemented **Docker** containers to create images of the applications for **Cloud Bees** to Continuous Integration and Deployment.
- Used Spring Kafka API calls to process the messages smoothly on **Kafka Cluster** setup.
- Deployment of a **Dockerized RabbitMQ** in **OpenShift** so that we might use the auto-scaling capabilities of **OpenShift** with a **RabbitMQ** cluster.
- Utilized **Kubernetes** for the runtime environment of the CI/CD system to build, Test deploy.
- Worked with OpenShift platform in managing **Docker Containers** and **Kubernetes Clusters.**
- Configured **Jenkins** for successful deployment for testing and production environments.

- Development of **Puppet** modules with Jenkins for continues integration and continues deployment of managed products**,** and related services.
- Worked on **POSTMAN** tool for testing Web Service by passing SOAP request to Web service provider.
- Used SVN to keep track of all the implementations and modifications done in the project, allowing several developers to collaborate.

Client: Cyient, India   **Dec 2016 – Apr 2018**
Role: Java Developer
Responsibilities:
- Created development environment using **jQuery, spring, JPA, Oracle, Maven, and Tomcat.**
- Developed internal application using **Angular4** and **Node.JS** connecting to Oracle on thebackend.
- Used Node.js as a proxy to interact with RESTful services and interacting with PostgreSQLDatabase.
- Worked with modules like MongoDB and mongoose for database persistence using Node.js tointeract with MongoDB.
- Used spring config server for centralized configuration and Splunk for centralized logging.
- Developed server-side application to interact with database using **Spring Boot** and **Hibernate**.
- Used J2EE design patterns like Value Object Pattern, MVC, Session Facade, BusinessDelegate, Service Locator and **DAO.**
- Created unit test cases for all possible areas of code and performed unit testing.
- Developed JSP as the view, **Servlets** as Controller in the Struts Framework.
- Exposed various capabilities such as Web Services using **SOAP** and **WSDL**.
- Implementing and planning the server-side architecture using Spring and Hibernate.
- Worked in Requirements gathering and Designed Application flows and developed **UML** diagrams.
- Wrote Controller classes in Spring MVC framework in the web layer.
- Implemented Unit and Integration test cases with JUNIT Framework based on Functional Flow.
- **OpenShift** virtualized PaaS provider - useful in automating the provisioning of commoditycomputing resources for cost and performance efficiency.
- Integrating Junit in Maven and configured Jenkins to send the Unit test report to the developmentteam.
- Understand the latest features like (Azure DevOps, OMS, NSG Rules, etc) introduced byMicrosoft Azure and utilize it for existing business applications.
- Implemented solutions using Hadoop, Apache Spark, Spark Streaming, Spark SQL, HBase and Scala.
- Analyzed, Strategized & Implemented Azure migration of Application & Databases to cloud.
- Using **ANT, Chef Scripts** with Ivy to build the **application and deploy.**

Client: Kellton Tech, India   **Jun 2015 – Nov 2016**
Role: Java Developer
Responsibilities:
- Involved in all the phases of Software Development Life cycle SDLC.
- Developed HTML prototype documents with CSS Style Sheet.
- Worked on **Waterfall** Methodology to implement the application.
- Developed server-side applications using **Servlets**, **JSP**, **EJBs** and **JDBC**.
- Used **Struts** the MVC framework for building web applications.
- Used forward engineering approach to create skeleton classes from class diagrams.
- Followed architectural standards and coded Request Handlers, BO, DAO, SQL Helper classes.
- Overcame challenges like data migration from **MySQL** to **MongoDB**.
- Configuring high availability using geographical **MongoDB** replica sets across multiple data centers.
- Used **Java Servlets** extensively and JDBC for database access.
- Using JavaScript performed client-side validations on Registration module.
- Used Struts MVC at front end. Server-side validations were performed using Struts validation framework.