**Rajeshwar Rao**

**Java Full Stack Developer**

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* Skilled, accomplished software developer with over 7 years of experience in development, object-oriented programming, definingsoftware specifications, testing, debugging andmaintenance.
* Conducted several requirements gathering sessions with project stakeholders and trained testing and technical teams.
* Participated in all phases of software development life cycle and well versed with water fall andagile methodologies. Expert in conducing scrums, test driven development (TTD) and agile development life cycle.
* Experienced in stakeholder reporting and project tracking.
* Hands on experience on MVC frameworks such as angular JS, angular2, backbone JS, ember JS, reactJS etc.
* Experience in developing web-based UI’s using JSP, HTML, DHTML, CSS, javascript (and its frameworks like JSON), angular JS, action script, DOJO, jQuery, EXT JS and ajax.
* Developed modules in large cross-platform applications using web services (SOAP, REST), microservices.
* Experienced in application development using JSP, servlets, JNDI, spring, hibernate, JSF, EJB, XML, web services, struts 1.2/2.0, spring 3.x and 4.x, Boot, AWS, JDBC, JNDI, JMS, JAXB, SAX/DOM, apache kafka.
* Experience in developing spring features like spring MVC, spring DAO, spring boot, spring batch, spring heroku, spring security, spring integration, spring eureka, spring netflix.
* Used micro service architecture with spring boot based services interacting through a combination of REST and apache kafka message brokers and developed data pipeline using apache kafka.
* Experience in deploying enterprise applications in apache-tomcat, weblogic, and websphere, JBoss.
* Experience in working on grape API and adding swagger documentation.
* Proficient in NoSQL DB such as apache cassandra DB, mongoDB, Neo4j and Couch DB.
* Proficient in using Amazon Web Services (AWS). Extensive experience focusing on services like EC2, Elastic Beanstalk, Cloud Watch, Cloud Front, Cloud Formation, IAM, S3, RDS, Elastic cache, SNS, SQS, AMI.
* Experience in build/deploy tools Ant, Maven and Jenkins, ClearCase, CVS, SVN, Nexus, Git, ClearQuest, Sonar.
* Configured the tools like Bitbucket, JIRA, Confluence, Chef and Kubernetes.
* Involved in building the code using Jenkins, Bamboo and Quick build for continuous integration.
* Work experience with testing tools and applications such as JUnit, hands-on experience in unit testing frameworks TestNG and Junit, Mockito, Firebug, Fire Poster, browser developer tools, Protractor, Selenium, Jasmine, SoapUI.

**PROFESSIONAL EXPERIENCE**

**State Farm Insurance, Bloomington, IL April 2019 to Present**

**Java Full stack Developer**

* Participated in Agile (Scrum) methodology and Involved in design, development, system testing and user acceptance testing.
* The application is based on micro serviceorientedarchitecture using angular 4.0 and cassandra DB and MySQL to developsingle page applications (SPA).
* Implemented angular 4.0 directives, expressions, routing capabilities for bookmarking, filters, validations and angular ui components, components, ng-modules, providers, services and classes for navigation respectively.
* Worked with angular CLI and typescript in angular 4.0 to create controllers and angular components for the web pages.
* Optimized performance is achieved by angular 4 lazy loading.
* Used spring boot which is radically faster in building cloud micro services and develop spring-based application with very less configuration.
* Extensively used react-router techniques axios service to retrieve data from server synchronously.
* Involved to implement various screens for the front end using React.js and used various predefined components from NPM (Node Package Manager) and redux library.
* Developed linux shell sripts and cron to perform refresh of Neo4j database from oracle database.
* Implemented elastic search for caching to enhance the performance of application.
* Implemented Node JS as a server-side proxy for an observing various response time.
* Implemented modules into Node JS to integrate with designs and requirements.
* Used (NPM) to manage modules & used it to install useful tools as Grunt and Express.
* Used Express JS which is fast, assertive, essential and moderate web framework of Node.js that helps manage a sever and routes.
* Worked with express JS which gives MVC structure to the Node JS.
* Built-in ajax HTTP Service with observables is used extensively for making quick and incremental updates to UI of the application.
* Applied to the business modules integration using spring boot, cassandra DB.
* Worked with cassandranode connector for database persistence to interact with cassandra.
* Worked in integrating JMS with spring boot by providing an instance which is embed with active MQ.
* Implementedspring netflixzuul API gateway andeureka service registry for reverse proxy of API’s.
* Deployed frontend application using AWS S3 and configured CORS to consume restful services from another domain.
* Deployed spring boot based micro services on docker containers using Amazon ECS.
* Experience in introducing docker utilizing docker tool compartment. Condition provisioning arrangements utilizing docker.
* Authenticating users and to provide the security to restful web services using OAUTH 2.0.
* Using swagger framework, actualizing the Restful API and swagger gives the rich UI to test API.
* Worked on unit test cases using karma and jasmine on client side.
* Wrote comprehensive unit test cases using JUnit and spock.
* Load data from various data sources into HDFS using kafka.
* Worked with the configured and maintained Jenkins to implement the CI/CD process.

**Environment:**Java 8, Angular 4.0, Node JS, HTML5, CSS3-SASS, Twitter Bootstrap4.0, ES6 JavaScript, React-Axios, AJAX HTTP Service, TypeScript, Spring boot, JPA, jQuery, OAuth2.0, Apache Kafka, Active MQ, Jenkins, Bamboo, Log4j, MY SQL, CassandraDB, Elastic search, Redis, NPM, Web pack, RESTful, EC2, AWS S3, EBS, Elastic Load Balancer, Junit4, Docker, Spock, Karma, Jasmine, Eclipse Java EE IDE.

**United Parcel Services, Mahwah, NJ August 2018 to March 2019**

**Java Full Stack Developer**

**Responsibilities:**

* Involved in requirement analysis, design, development, testing of application using Agile methodology.
* Developed various helper classes necessary using multi-threading.
* Developed interactive web pages using angularJS, HTML5, CSS3 and javascript.
* Developed single page application (SPA) using angularJSframework and injected generic services using Angular2.
* Used NodeJS (Express) to create API which can provide or consume JSON.
* Integrated the IoC container of springframework to handle the creation of beans, dependency injection and transaction management.
* Used hibernate ORM to integrate with business application with oracle database where hibernate template is used to implement business logic. Created an XML configuration file for hibernate database connectivity.
* Used spark streaming APIs to perform transformations and actions on the fly for building common learner data model which gets the data from kafkain near real time and persist it to cassandra.
* Experience with querying on data present in cassandra cluster using CQL(Cassandra Query Language).
* Consumed web services by implementing spring's rest support is to make the development of restful webservices.
* Development with micro services architecture using Rest APIs, spring boot and pivotal cloud foundry.
* Developed microservices based on restful API utilizing springboot with springMVC.
* Used pivotal cloud foundry to deploy applications on cloud.
* Created muleesb artefact and configured the muleconfig files and deployed.
* Created shellscripts to deploy resource bundles on different environments.
* Worked with gitversion control system to track various aspects of the project.
* Used maven as build tool on java projects for the development of build artefacts on the source code.
* Used Log4j logging framework to write Log messages with various levels for logging across the application.
* Utilized variable software (GMC/QuadientPrintNetT/Inspire) to build and generate internal and client proofs.
* Execute finished output and supporting documentation for banking requirements
* Created and managed a docker deployment pipeline for custom application images in the cloud using Jenkins.
* Developed test cases using JUnit and JMock for unit testing.
* Implemented service oriented architecture (SOA) by developing and consuming RESTful web services based on JAX-RS and Jersey.
* Used AWS (Amazon Web Services) as a cloud platform to deploy the application.
* Leveraged AWS cloud services such as EC2, auto-scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.
* Used AmazonIAM to grant fine-grained access to AWS resources to users. Also managed roles and permissions of users to AWS account through IAM.
* Experience in integration of amazon web services, AWS with other applications infrastructure.
* Utilized S3 buckets and glacier for file storage and backup on AWS cloud.
* Utilized Amazon Route53 to manage DNS zones and assign public DNS names to elastic load balancers.
* Developed API for using AWSLambda to manage the servers and run the code in the AWS.
* Interacted with Business Analysts to come up with better implementation designs for the application. Provided production support for the application.
* Involved in testing, debugging, bugs fixing and documentation of the system.

**Environment:** Java 8, J2EE, Spring MVC 4.x,Hibernate 4.x, AngularJS, NodeJS, HTML5, CSS3, JavaScript, AWS (VPC,EC2, IAM, Route53, Lambda, CloudWatch, ELB, S3), RESTful web services, Rabbit MQ, ESB, Shell Scripts, Git, Maven, Log4j, Cassandra, Oracle 11g, Docker, JUnit, JMock.

**Thomson Reuters, Eagan, MN January 2017 to July 2018**

**Java Developer**

**Responsibilities:**

* Actively involved in the analysis, definition, design, implementation and deployment of full software development life cycle (SDLC) of the project.
* Designed, analyzed and developed the front-end and back-end servlets, bootstrap for designing, HTML5, CSS3, angular JS, ember JS and ajax, for developing presentation layer.
* Developed user interface using JSP, JSP Tag libraries, third party libraries and java script to simplify the complexities of the application.
* Used LINQ to entity framework using lambda expressions for communicating between business layer and database and coded in java 1.8.
* Worked on Java 1.8 upgrade using new library for refactoring, lambda, functional interfaces, streams -parallel processing and aggregations.
* Developed user friendly interface to seamlessly combine the new module with existing login system using angularJS.
* Involved in multi-tiered J2EE design utilizing spring inversion of control and Hibernate.
* Used hibernate, object relational mapping (ORM) solution, technique of mapping data representation from MVC model to oracle relational data model with an based schema.
* Actively participated in the daily scrum meetings to produce quality deliverables within time.
* Implemented restful web services using apache CXF, Jersey for JAX-RS.
* System built using model view controller (MVC) architecture. Implemented the application using the concrete principles laid down by several design patterns such as DTO, intercepting filters, singleton and data access object (DAO).
* Spring Batch is used for batch processing with which notifications are sent in timely manner.
* Designed and implemented application using JSP, Spring MVC, JNDI, Spring IOC, Spring Annotations, Spring AOP, Spring Transactions, Hibernate, JDBC, SQL, ANT, JMS, Oracle
* Designed and developed a JDBC driver that intercepts a create view DDL parses it, converts it to a relational model, and stores in the database.
* Worked on using WebSphere server built in JMS provider for communicating with legacy applications.
* Configuring Jenkins jobs to make sure the project is built successfully in different development environment.
* Automate build process through Maven build framework.
* Proficiency in adoption of architecture paradigms such as SOA, web services, middleware technologies.
* Configured and build asynchronous communication with JMS services with MQ services.
* Used IBM RAD IDE tool for application development.
* Spring MVC model integration for front-end request action controller
* Configured connection pooling on Web Sphere server
* Involved in fine tuning the enterprise JBOSS image.
* Developed spring-based applications using Drools and Java.
* Used spring framework including spring core/IOC, spring web, spring security.
* Worked on Log4J to validate functionalities and JUnit for unit testing
* Implemented configured and customized JIRA issue tracking software with agile plug-in across all company functions and acted as JIRA administer.
* Used Ref-UI for backend transactions in different environments.
* Used Tortoise SVN to maintain the version of the files and took the responsibility to do the code merges from branch to trunk and creating new branch when new feature implementation starts

**Environment:** Java, HTML5, CSS3, JavaScript, JQuery, AngularJS, Hibernate, Spring, Spring Batch, Spring Boot, Spring Security, Servlets, XML, JSP, Spring MVC, Spring JDBC, JUnit, Jenkins, Maven, JMS, RESTful, MQ services, Mule ESB, JBOSS,

**Amtrak, Washington, DC May 2014 to November 2016**

**Java Developer**

* Worked on the development and testing of the infotainment module using Agile (SCRUM) methodologies.
* Used display tag to render large volumes of data. Bean, HTML and Logic tags are used to avoid java expressions.
* Worked on RESTful APIs for HTTP requests between client and server.
* Developed Hibernate DAO classes and with the spring framework manager classes retrieve and save the data from the database.
* Used hibernate detached criteria, HQL and written some SQL queries for data retrieving.
* Used Spring framework to achieve loose coupling between the layers thus moving towards service oriented architecture (SOA) exposed through Restful services.
* Created and injected spring services, spring controllers and DAOs to achieve dependency injection and to wire objects of business classes.
* Used spring batch to design lightweight and comprehensive solution to the development of batch applications.
* Developed and implemented Business Requirements using Spring MVC framework. Implemented cross-cuttingconcerns such as logging, authentication and system performance using Spring AOP.
* Created the user interface screens using spring MVC for logging into the system and performing various operations on network elements.
* Developed necessary parsing and XML construction logic using XML parser APIs JAX-B
* Experience in implementing custom monitoring system through Splunk into deployment processes.
* Implemented RESTful web services using spring MVC and JSON.
* Used ReactJS to create views to hook up models to the DOM and synchronize data with server as a single page application (SPA).
* Developed strategies and supported tools to create an efficient automated integration and release process using Jenkins.
* Analyze and resolve conflicts related to merging of source code for GIT.
* Expertise on selenium data driven framework and integrating it with Maven build management tool, TestNG unit testing tool and Jenkins continuous integration tool.

Environment: Spring MVC, JSON, Maven,Jenkins, REST, Splunk, Hibernate, HTML, Eclipse, STS, XML, JAX-B, GIT, Jenkins, TestNG, Selenium.

**EDUCATION**

Masters in Business Administration