**Varshini Reddy**

**Senior Full Stack Java Developer**

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**Professional Summary:**

 Over **8 Years** of experience working as a Java /J2EE developer in designing, developing, deploying, and maintaining web-based, client/server applications along with Enterprise and Distributed applications.

* Expertise in **Java** programming and have good understanding on **OOPs, Collections, Exceptions Handling, Input/output (I/O) System, Annotations, Concurrency, Multi-Threading, Lambda and Generics.**
* Extensive experience in Front-End UI technologies like **HTML, JA, Bootstrap JS, Angular 9/8/7 , Angular JS, ReactJS** in developing dynamic and responsive web pages.
* Experience in working with **Angular 9** modules, services, templates, controllers, events, directives, services and dependency injection to create a **Single Page Applications**, hands-on with Angular **CLI**
* Extensive knowledge in developing applications in a **single page (SPAs)** using various JavaScript frameworks like **Angular6, Angular 4**, **Angular 8/9, React and AngularJS.**
* **Around 4 years of experience in extensive development experience in designating the XQuery solutions and spring boot framework for developing the REST web services on Mark logic database repository.**
* Experience on Object Oriented Design Patterns such as **Singleton Pattern, MVC Pattern, Factory Pattern, Façade Pattern and DAO Pattern** with exposure to UML Modeling.
* Expertise in **J2EE** architecture **using Java, JDBC, JavaBeans, EJB, JSP, JMS, Struts, Comergent, ANT, Log4J/LogJ2, UML, XML, CSS3/4, HTML5, and JavaScript**.
* Experienceworking - **Java1.8 and JDK1.8**&implemented the features-**Lambda Expressions, Streams, Java Time API.**
* Experience in applying JMS (Java Messaging Service) for reliable information exchange across Java applications using **Apache Kafka, RabbitMQ, ActiveMQ** and **IBM MQ.**
* Created a responsive web offer wall so that it could be integrated with any iOS/Android app via a web view, project was created with Google Polymer and PHP.
* Extensive experience in developing **GUIs using Struts, Spring MVC, Spring Web Flow** frameworks.
* Experience of design and develop Microservices, transform Monolithic architectures into Microservices using open source framework **like Spring Boot, pivotal cloud foundry**
* Created scripts that automate and improve the builds for all client-side platforms- IOS, Andriodusing Git and Jenkins, Concourse, among other tools.
* Good experience in various modules of Spring framework like **Spring IOC, Spring MVC, Spring Batch, Spring ORM,Transaction Management, Spring Security and Spring Boot, Spring Data.**
* Expertise in implementing the persistence logic using **JDBC, JPA, Spring JDBC, Hibernate** framework.
* Extensively worked on **Micro Services** using **Spring Boot,Spring Data and REST**
* Developed powerful Single Page Application and dynamic responsive Web Application with **Angular 8/9**.
* Expertise in implementing Service Oriented Architecture by using**RESTful** web services.
* Experience utilizing Jenkins and Concourse for enterprise scale configuration and application deployments.
* Worked with **Jersey** API to implement **RESTful** web services, strong knowledge on **JAX-RS** annotations.
* Hands on experience in **Amazon Web Services (AWS),** services like **EC2, S3, IAM, ELB (Load Balancers), RDS, VPC, Route53, Cloud Watch, Cloud Formation, IAM, SNS** etc.
* Experience with **AWS Cloud formation** and launch configurations to automate repeatable provisioning of **AWS resources** for applications.
* Hosted the application on a **Node.js** server using express middleware
* Built restful web services using **Node.JS** and implemented the front-end using **jQuery** and **Angular 9** controllers, directives, and services.
* Extensive development experience with **Mark Logic** data ingestion, transformation to XML/JSON and data curation.
* Created **Angular 9** components, implemented **interpolation**, input variables, **Bootstrapping, Ng For, Ng If, RouterOutlet, binding the events, decorators**.
* Utilized the features of **Angular 9** to present effective web design. **Built Angular 9 components**, UI services to consume REST services using Component based architecture provided by **Angular 9**.
* Good Experience in Server-side Framework like **Node.js** and html libraries like**Angular9**
* Created and configure Microservices architecture and integrated with **Angular9**application.
* Worked on **Web application** and make sure that is more responsive on **Mobile** and **Tablets**.
* Deep hands-on experience on building scalable web service architectures with various relational **MySQL**, **Oracle DB**.
* Having knowledge on **NoSQL** databases like **Cassandra** and **MongoDB**.
* Experience with messaging systems like **Kafka**, **Kafka event sourcing**, **ActiveMQ** and **RabbitMQ**.
* Experience in creatingreal time data streaming solutions and handling messaging services using **Apache Kafka**.
* Implemented spring boot microservices to process the messages into the **Kafka** cluster setup.
* Closely worked with Kafka Admin team to set up **Kafka** cluster setup on the QA and production Environments.
* Used spring Kafka API calls to process the messages smoothly on **Kafka** cluster setup with the help of Zookeeper.
* Developed micro apps with latest **Angular 9**. Micro apps are easy maintainable and highly reusable.
* Used **Splunk** for the engineering dashboards used by the developers for easy track of application health.
* Set up and maintained Logging and Monitoring subsystems using**Prometheus** and **Grafana**.
* Good Experience working with the SDLC methodologies like **Agile Scrum, TDD and Waterfall.**
* Experience in using IDE tools like **Eclipse, NetBeans, IntelliJ IDEA**
* Experience in using Ant, Maven build tools.
* Experienced in building applications based on large datasets **in Mark Logic**.
* Experience in integration of **AWS services** with other application infrastructure.
* Used **JUnit Framework** to perform Unit testing of the application.
* Performed unit and integration test bywriting **Junit test** cases using Junit Frameworks like **Mockito**.
* Good experience working with **Continuous Integration and Deployment (CI/CD)** tools like **Jenkins, Docker.**
* Experience with container-based deployments using **Docker**, working with **Docker images** and **Docker Hub.**
* Used **Kubernetes** to orchestrate the deployment, scaling and management of **Docker** containers.
* Experience in using version control and configuration management tools like **GIT** and **CVS**.
* Set up **Jenkins’s**server and build jobs to provide continuous automated builds based on polling the **Git** source control system.

**Technical Skills:**

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| **Language** | **Java, JavaScript, C, HTML, Type Script, JQuery,JSON.MICROS,****J2EE, Java 8, J2EE, Python3.6.0, PL/SQL2.3/2.1** |
| **Java Technology** | **JSP, Servlet, JPA, JUnit** |
| **Methodologies** | **Agile, Scrum, SDLC** |
| **AWS Components** | **EC2, AMI, IAM, ELB, auto scaling, launch configuration, SNS, SES, S3, RDS, VPC, Route53, Cloud Watch, Cloud Formations** |
| **Web Technologies**  | **HTML5, CSS3, Java Script, Servlets, JSPs, EJB, JMS, XML, jQuery, Bootstrap, AJAX, JSON, Angular 8/9, NodeJS, JBPM, XQuery ,XPATH,** |
| **Web Services** | **RESTful, SOAP, JAX- B** |
| **Frameworks** | **Spring (MVC, Core, Data), Hibernate, Spring Boot, Angular, AngularJS, React.js, Redux.** |
| **Message Queues** | **Apache Kafka, RabbitMQ, ActiveMQ** |
| **Application Server** | **Tomcat** |
| **Data Bases** | **Oracle, SQL server, MySQL, Cassandra, MongoDB** |
| **Query Language** | **SQL, PL/SQL** |
| **Version Control** | **Git, GitHub, CVS** |
| **Operating System** | **Windows, Linux** |
| **Container Technologies** | **Docker, Kubernetes** |
| **Build Tools** | **Jenkins, Concourse, Maven, Quick build** |
| **Testing** | **JUnit, Mockito** |
| **IDE** | **Eclipse, IntelliJ, NetBeans** |

**Professional Experience:**

**Client : Fidelity Investments , Durham, NC Duration : Dec 2020 - Till Date**

**Role : Senior Full Stack Java Developer**

**Responsibilities:**

* Involved in all stages of Software Development Life Cycle **(SDLC)** of the project in **Agile methodology.**
* Used advanced **Java 8** features like **Lambda expressions** for array operations, **Streams, Method reference, collections, concurrency methods** etc. throughout the application’s programming.
* Participated Daily Scrum meeting, sprint grooming/review and demo with management and other teams.
* Implemented UI by adapting **Angular9** framework with **typescript**.
* Involved indevelopment of user interface applications&professional web applications -**HTML,CSS, Angular9.**
* Used various **Angular 9**custom directives and developed reusable components and templates that can be re-used at various places in the application.
* Implemented new UI models using the features that were available in the new **Angular 9** Concepts.
* Designed and Developed End to End customer self service module using annotation-based**Spring MVC, Hibernate, and Angular 9.**
* Used **Java 1.8** features like **stream, lambda expressions, functional interface, collections, Date/Time changes** and **type annotations.**
* **Extensive experience in Mark Logic in establishing the clustering, bulk data loads XMLtransformation,Faceted searches ,triggers, alerting ,XQuery code.**
* **Converted a monolithic app to Microservices architecture using Spring boot using 12- factor app methodology, Deployed,Scaled,configured, wrote manifest file for Microservices in PCF.**
* Worked on Design and developed **Micro Services** business components using **Spring Boot.**
* Extensively worked on Implementing **Spring Boot Micro Services** to divide the application into various sub modules.
* Used java 8 features like lambda expressions for communicating between business layer and database, stream API for bulk data operations on collections using both streams and parallel streams.
* Implemented Multithreading, Concurrency, Exception Handling, Generics and Collections whenever necessary.
* Implemented Bean classes and configured **in Spring configuration** file **for Dependency Injection**.
* DevelopedController Classes using **Spring MVC, AOP, Spring Boot, handled security using Spring Security.**
* Integrated **REST API** with **Spring** for consuming resources using **Spring Rest Templates** and developed **RESTful web services interface**to Java-based runtime engine and accounts.
* Leveraged Mark Logic content process Framework for Business Rules Implementation.
* Utilized the data inside the S3 Bucket where MSK produced the achieved data to on a daily basis.
* Initiated mappings among the relations and written named HQL queries using **Hibernate.**
* Implemented data access layer i.e., DAO Classes using Hibernate as **an ORM tool** and configured xml files according **to hibernate framework**.
* Migrating existing application into REST based microservices to provide all the CRUD capabilities using spring boot. Worked with AWS lambda using python to automatr resource creation, perform compliance checks and cost optimization.
* Managed our **Bitbucket repository** and concourse pipeline in conjunction with **Checkmarks**and **Sonar Cube** to support our continuous deployment pipeline.
* External system service integration are done via rest service cells from the **JBPM** process.
* Implemented persistence layer using **Hibernate** that use the POJOs to represent the persistence database.
* Developed and consumed **RESTful web services** to retrieve configuration **JSON** documents related to customer.
* Implementing continuous delivery framework using Jenkins, Concourse, Maven in Linux environment.
* Worked on **MongoDB** database concepts as locking, transactions, indexes, sharding, replication, schema design.
* Created REST API services for ingesting daily incremental data in **to Mark Logic**.
* Developed user interface using **Angular JS** to simplify the complexities of the application node
* Implemented **Kafka** producer and consumer applications on Kafka cluster setup with help of **Zookeeper**.
* Used Spring boot actuator to monitor and manage the application in production environment.
* Used Micro-service architecture, with Spring Boot based services interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Designing and Deploying enterprise-wide scalable operations on AWS.
* Responsible for maintaining and expanding AWS (Cloud services) infrastructure using AWS stack especially worked with database setup and maintenance on AWS **EC2.**
* **All the functionality is implemented using spring boot and hibernate orm. Implemented java EE components using Spring MVC, Spring IOC, spring transactions and spring security modules.**
* Collected metrics for applications using **Splunk**in a cloud-based environment.
* Established infrastructure and service monitoring using **Grafana** for analysis and visualization.
* Wrote **Docker files** for micro services, also dockized testing environment for those services.
* Leveraged Linux Containers and **AMI's** to create **Docker Images/ containers** images, tagging and pushing .
* 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**.
* Experience in using build/deploy tools such as Jenkins, Docker and **OpenShift** for continuous integration and deployment **for Microservices.**
* Designed **Java API** to connect the **Amazon S3** service to store and retrieve the media files.
* Using **Amazon RDS** hosted the **MySQL** database in the cloud.
* Implemented complete **Maven** build life cycle to achieve organized application structure and conflict free dependencies in pom.xml file.
* Worked on analyzing Hadoop cluster using **different big data analytic tools including Flume, Pig, hive,Hbase,sqoop,spark,Kafka.**
* Research about JBPM process engine for use in the implementation of Flow control system of people.
* Design &manipulation of **JBPM** process for client activities in order to managepeople queue for each activity.
* Implemented and tested the enterprise application with jQuery, Angular.js and Spring MVC.
* Designed & developed webservices **in MVC pattern spring framework** and used WAS for the deployments
* Experience with **AWS S3** services creating buckets, configuring buckets with permissions, logging, versioning and
* Tagging.
* Deployed applications into Continuous integration environments like **Jenkins** to integrate and deploy code on CI environments for development testing.
* Started **Mark Logic** single host and cluster on **AWS.**
* Developed powerful Single Page Application and dynamic responsive Web Application with **Angular 9.**
* Used **JIRA** tool for Issue/bug tracking, monitoring of work assignment in the system.
* Developed **Git** controls to track and maintain the different version of the project.

**Environment: Java, J2EE, Spring 4.2, Hibernate 4.3, AWS (EC2, S3, IAM), Spring MVC, Spring Boot, Micro Services, HTML, CSS, Angular 9, Typescript, REST Web Services, MongoDB, Splunk, Grafana, Kafka, Docker, Kubernetes, AWS S3, RDS, MySQL, Maven, JUnit, JMS, Jenkins, JIRA, Git.**

**Client : Flagstar Bank , Troy, MI Duration : July 2018 - Nov 2020**

**Role : Full Stack Java Developer**

**Responsibilities:**

* Involved in SDLC Requirements gathering, Analysis, Design, Development and Testing of application developed using Agile methodology.
* Designed web pages using**HTML5, CSS3, JavaScript, Node.JS, React.js, Redux**and developed controllers, services, and DAO layers for the backend using **Spring, Hibernate** Frameworks.
* Modularized **front-end C SS, JS code with Sass**. Built a real time mouse/click useranalytics web service **Node.js.**
* Involved the Mark Logic admin activities like backup the whole database and restore it ,re- index periodically and maintain the configuration setup in all the environment developed and bugfix after post launch for search module using field search.
* Worked on **ReactJS** Virtual Dom & React views, rendering using components which contains additional components called custom HTML5 tags. Created reusable and testable **React.js** functional &class components using es6.
* Active contributor of the network Big Data and artificial Intelligence CoE. Leading the Consumption anomaly detection project to help the business forecast and recognize anomalies on databases and server post -migration.
* Worked in using **React JS** components, Forms, Events, Keys, Router, Animations and Flux concept.
* Designed and created store, actions and reducers using **Redux** unidirectional data flow.
* Used **Spring MVC**and **Dependency Injection** for handling presentation and business logic.
* Involved in creating the **Hibernate POJO** Objects and mapped using **Hibernate Annotations.**
* Implemented **Spring JPA Repository** for the persistence layer of the application (this layer communicates with the application DB - Oracle DB).
* Responsible for implementation of java integration components for *JBPM* and **drools**.
* Proficiency in developing business process using Bonita,JBPM ,Business manager.
* Created the Application using **React.js** and **Node.js** libraries NPM, gulp directories to generate desired view and flux to root the URLs properly.
* Involved the MarkLogic admin activities like backup the whole database and restore it, re-index periodically and maintain the configuration setup in all the environment developed and Bug fix after post launch for search module using field search.
* Expertise in programming with HTML5/XHTML,CSS3,Javascript,JSON.
* Use **Spring MVC** with Annotations in integrating different layers within the application.
* Implemented modules into **Node.js** to integrate with design and requirements & also back-end service using
* Node.js and REACT modules and implemented client-side Interface using React JS.
* Data Operations were performed using **Spring ORM** wiring with **Hibernate.**
* Expertise in building monitoring dashboards that visualises the present and predicted health of the cold storage warehouses.
* Contributed for python library which continuously integrate, test& deploy clusters through fully automated concourse pipelines.
* Extensive experience in **developing Microservices** using Springboot,and followed domain driven design .
* Implemented features like logging, session validation using **Spring AOP module** and **Spring IOC.**
* Extensively worked on developing **REST** based **Webservices** and consumed them as needed.
* Consumed **JSON RESTful Web Services** and sent responses with **Spring MVC.**
* Used **Spring Security** for Authentication and Authorization of the application.
* Used AWS Lambda to run the code in the AWS (Amazon Web Services) and Deployed Spring Boot based micro
* services Docker container using **Amazon EC2** container services and using AWS admin console.
* Experience- installation of **Splunk**, setting up the required attributes&monitored infrastructure implementation.
* Experience In building data warehouses, datamarts and data cubes for creating power BI reports to visulaise various key performance indicators of business.
* Used Maven build tool for creating **JAR** files and automate the process ofbuilding **Docker Images** and pushing them to **Docker Private Registry**.
* Worked on deploying the applications in **AWS** as **EC2 instances** and create snapshots for the **EBS**volumes.
* Used **AWS SDK** for connection to **Amazon S3** buckets as it is used as the object storage service to store and retrieve the media files related to the application.
* Followed **Scrum/Agile methodology** with daily meetings to keep track of progress , issues pertaining toprojects.
* Used **JUnit** framework for unit testing and integration testing.

**Environment**: **Java/J2EE, Spring 3.5, Spring MVC, Spring Security, Hibernate 4.0, HTML5, CSS3, JavaScript, Node.JS, React.js, Redux,AWS (EC2, EBS, S3),Cassandra, RabbitMQ, Splunk, Junit, Maven.**

**Client : Valence Health , Chicago, IL Duration : Nov 2015 - June 2018**

**Role : Senior Java Developer**

**Responsibilities:**

* Involved in complete software development life cycle with object-oriented approach of client’s business process and continuous client feedback. Worked on designing and developing a complete service-oriented system based on **SOA** principles and architecture in agile development environment.
* Employed **Agile Model** and best practices for software development.
* Engaged in developing the UI by using **HTML, JQuery**, **and JavaScript** and in some places used **AJAX** to make calls to other services.
* Developed proof of concept Spring Boot microservices for **PCF** pilot.
* Specializing in PACS systems across the vendor gamut including, but not limited**to:agfa,kodak,Ge,siemens,Phillips,cedera .Within the PACS industry I have been involved In planning, implementation and management ,customer support**, as well as development and testing of release candidates;**DICOM** expert ,HL7.,software and hardware QA
* Involved in developing the **CSS** sheets for the UI Components.
* Developed web-based application using **spring** framework for MVC architecture.
* Setting up the basic project set-up from scratch of **Spring-Hibernate** App based on Design.
* Used **Spring Framework AOP Module** to implement **logging** in the application to know the application status. Used **Spring DAO Module** along with Hibernate Framework to deal with Database.
* **Spring MVC Framework IOC (Inversion of Control)** design pattern is used to have relationships between application components. It is also used to separate the application configuration and dependency specification from the actual application code.
* Extensively worked on **JPA** as persistence layer, involving **Hibernate** to persist Java objects Entities in database.
* Development of middleware products to accomplish specific project tasks, such as parsing of **HL7**, auditing **DICOM** structures, querying of systems webservices in IIS,systems tuning ,printing etc. Aided the sales staff in the closing stages as Technical advisor
* Involved in development of **REST Web Services** using **SPRING MVC** to extract client related data from databases and **SOAPUI** tool is used for testing **RESTFUL API** web services.
* Familiarity **withService oriented architecture** by developing&consuming**Restful** web services based on **Jersey**.
* Wrote corresponding one-one **REST** methods to implement respective change requests (change appliers)
* Tested **REST** services using google chrome’s **POSTMAN** plugin.
* Deployed the application in**JBoss** Application Server.
* Worked on **Junit** for creating test cases for all the Business Rules and the application code.
* Called external vendor applications using **Web Services** for delivering notifications.

**Environment: HTML, JQuery, JavaScript,Apache, Servlets, Spring 3.2, Hibernate 3.5, Spring MVC, SOA, RESTful, Junit, Webservices, Junit, Agile.**

**Client : Quadra Systems Company, India Duration : Aug 2014 - Oct 2015**

**Role : Java Developer**

**Responsibilities:**

* Involved in discussions with the client to discuss and understand various components of the requirement and to implement the same.
* Implemented **JSP** corresponding to the controller where in the data was propagated into it from the model and view object from the controller Designed and Implemented **MVC** architecture using **Spring Framework**, which involved writing Action Classes/Forms/Custom Tag Libraries &**JSP** pages.
* Designed, developed, and maintained the data layer using **Hibernate** and performed configuration of **Spring** Application Framework.
* Extensively written **jQuery** for responsive event handling. Involved in front end development -**JSP's, JSF and JSTL**.
* Used **XML, WSDL, UDDI, SOAP** Web Services for communicating data between different applications.
* Used the Java Collections API extensively in the application as security protection for **XML, SOAP, REST and JSON** to make a secure Web Deployment.
* Developed Jersey **Restful** Framework of **spring** for consuming and producing web services.
* Developed server-side services using **Java, spring, Web Services (SOAP, Restful, WSDL, JAXB, JAX-RPC).**
* Experience using **SOAPUI** for testing web services. Created **JUNIT** test case for various functional modules, modified, debugged, and executed using **JUNIT** plugin to **EclipseIDE**.
* Involved in creating and extracting data from database using **SQL Queries, PL/SQL** on Oracle database.
* Extensively used **log4j** to log regular debug and exception statements.
* Performed code review and unit tested the application using Junit framework. Participated in the **production support** and **maintenance** of the project.

**Environment: Java 1.5, Spring 2.5, Hibernate 3.1, J2EE, JSP, JSTL, jQuery, Oracle, Web Logic, Eclipse, ANT, Apache Tomcat, REST, JSON, SOA, J2EE, Oracle, XML 1.x, JAXB 2.x,XSLT 1.x, JAX-WS, and Web Services**.