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| **MANASA** [**manasa.java541@gmail.com**](mailto:manasa.java541@gmail.com)  **Ph no: 469-708-6841** |  |
| **Sr. FULL STACK JAVA DEVELOPER** |  |

**PROFESSIONAL SUMMARY:**

* Over 8+ years of experience with **SDLC** methodologies like **Waterfall, Iterative**, **Agile(Scrum/Kanban)** and **TDD**.
* Worked on implementing **Object Oriented Design(OOD), Object Oriented Analysis(OOA)**.
* Worked on **Core Java** concepts of **Java 8 like Stream, Lambda expressions, Predicates and Filters**.**, J2EE Technologies**: **JSP, Servlets, JSF**, **JSTL**, **EJB** transaction implementation (CMP, BMP, Message-Driven Beans), **JMS**, **Struts, Spring, Swing, Hibernate, Java Beans, JDBC, XML, Web Services, JNDI, Multi-Threading, Data structures**.
* Proficient in applying design patterns like **MVC, Singleton, Session Facade, Service Locator, Visitor, Observer, Decorator, Front Controller, Data Access Object** and familiar with several **Data Structures**.
* Worked on developing web applications using **HTML5, CSS3, Laas, Sass, JSON, JavaScript, jQuery, NodeJs, Angular framework, NodeJS, ReactJS, BackboneJS, Typescript**, **Karma, Jasmine, ExtJS**, **Grunt, VBScript, Perl, AJAX.**
* **Experience in Spring Framework modules such as Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Dashboard, Spring Boot, Spring Microservices, Spring REST, Spring Eureka, Spring Ribbon, Spring Netflix, Spring Zuul Proxy.**
* **Proficient in using AWS. Extensive experience focusing on services like EC2, Elastic Beanstalk, Cloud Watch, Cloud Front, Cloud Formation, IAM, S3, RDS, ElastiCache, SNS, SQS, Dynamo DB, Lambda.**
* Developed scalable, reliable and efficient enterprise applications using **Spring, Struts, Hibernate, RESTful, SOAP,JSF, JDBC, JSP, Servlets, EJB, JMS, XML, XSLT, JAXB SQL, PL/SQL, Unix Shell scripting.**
* Expertise in developing **SOA** and **J2EE Web Services** based on **SOAP, WSDL, UDDI, JAX-WS, JAXB, JAX-RPC**
* Knowledge of XML and related technologies like **XSL, XSLT** and parsers like **JAXP (SAX, DOM) and JAXB**.
* Experience with Application Servers like IBM **WebSphere** , **Oracle/BEA WebLogic**, **JBoss** and **Tomcat 7/8.x/9.0.**
* Excellent experience with major relational databases -**Oracle 11g, SQL Server 2000/05/08, DB2, MySQL.**
* Worked on **Apache Camel** to integrate modules for disparate clients and with **ActiveMQ** to use it as bus.
* Strong experience with **MongoDB** development**.** Utilized **Scala** in the **MongoDb data** for the application.
* Worked on **Docker** deployments for developments of environments delivery releases, **creating Docker images push/pull and integrating with Spring Boot.**
* **Worked on Middleware persistence frameworks like Hibernate/JPA Entities for mapping Java classes using Hibernate Query Language (HQL), HSQL Named Queries, Criteria, Projections, Transactions.**
* Good Experience on working with version control management using **CVS, GIT /GitHub and SVN** also **BitBucket.**
* Strong experience in **error-logging**/debugging using **Log4J**, experience with **Test Driven Development** on **selenium**
* **Expertise on testing environments like JUnit, Selenium, CURL, Jenkins, SoapUI and System Testing.**
* Worked on the **Spring Boot**based services interacting through a combination of **REST**and **Apache Kafka** message brokers, utilized then to built the Real-Time Data Pipeline using **Apache Storm and Spark** for data analysis**.**
* Worked on **Flume** to stream logs and the real-time **data pipelines** into the **Hadoop File System.**
* **Extensions to Spring Batch to support creating Hadoop based workflows for any type of Hadoop Job or HDFS.**
* **Drools** Implemented a highly-scalable vertical and horizontal, performance efficient **Drools architecture**.
* Worked on **Kubernetes** for the continuous integration using the bash on the **EC2 instance of AWS**
* **Worked on the ELK (Elastic Search, Logstash, Kibana)stack to facilitate information processing and sharing.**

**TECHNICAL SKILLS:**

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| LANGUAGES/API | C, C++, Java 6/7/8, SQL,Python 2.X/3.x, Shell Scripts, Design patterns, Scala, Pl/SQL |
| ENTERPRISE JAVA | JSP, Servlet, JNDI, JDBC, Java security, |
| MARK-UP/XML TECHNOLOGIES | HTML, XHTML, JavaScript, Angular JS, CSS, XML, XSD, XSL/XSLT, SAX/DOM, AJAX, JQUERY, JSON, DOJO, NODEJS |
| TOOLS & FRAMEWORK | Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, JMS, Log4J, JUNIT, SOAP UI, Spring Boot, Spring Batch, Spring Security |
| WEB SERVICES | SOAP, RESTFUL, UDDI, WSDL, JAX-RPC, JAX-RS JAX-WS, JAX-B, Axis2, CFX |
| WEB/APP SERVERS | Web Sphere, Web logic, Apache, Tomcat, J Boss |
| DATABASE | Oracle, MySQL, DB2 and MongoDB |
| IDE’s | Eclipse, Spring Tool Suite STS, Net Beans, Intelij, WebStorm |
| O-R MAPPING | Hibernate, JPA, JTA |
| MODELING/ CASE TOOLS | Rational Rose, MS Visio Professional, Star UML |
| TESTING TOOLS/ OTHERS | JUNIT, SOAPUI, Putty, Rational Clear Quest, RTC, StarTeam, LOADUI |
| VERSION CONTROL | CVS, SVN, Rational clear case and GIT Hub |
| Build Tool / plugin | ANT, Log4j and Maven 3.x, Hudson 3.x, Jenkins 2.x |
| Testing Frameworks | Junit, Jtest, JMeter, Selenium WebDriver, Jasmine, Karma, Jenkins, Docker |
| OS & ENVIRONMENT | Windows, Linux and Macintosh |

**PROFESSIONAL EXPERIENCE:**

**Client: FIDELITY INVESTMENTS- Boston,MA June 2016-Present**

**Designation: Sr. Full Stack Developer**

**Responsibilities:**

* Involved in the Requirement analysis design and technical assessment during project life cycle in **Agile** methodology.
* Developed the application using **Java 8- Lambda expressions, Streams, annotations, Generics, Enums**.
* Worked on java Multithreading **Thread safe** blocks for **batch process**, **Executor Service Framework.**
* **Worked on Spring core/MVC for dependency injection and integrated backend with the Angular 2 framework.**
* Developed the user interface using **HTML 5, CSS 3, JavaScript,** Twitter **Bootstrap** library.
* Used **Angular 2** to associate HTML elements to model, to provide dynamic user validations on client side.
* Worked on UI components using **Angular2 Dependency Injection, Models, data binding and controllers.**
* Worked on **Micro services** that uses **Spring Eureka**, **Spring Ribbon** and **Spring Cloud Netflix** to provide client-side load balancing in calls to another **Micro service** in the application also the **Spring Hystrix** as circuit breaker.
* Worked on **Micro services**, **SOA** with **XML** based Web Services (**SOAP/UDDI/WSDL**).
* Worked with advanced frameworks like **Spring-IOC,AOP,MVC and Batch, SpringSecurity** for backend functionality.
* Worked on **Spring Circuit Breaker Pattern,** integrated with **Hystrix** to monitor Spring Micro services for **failsafe**.
* Designed and developed **Micro services** using **REST framework** and **Spring Boot** applications as the micro services.
* Used **Micro service** architecture, with **Spring Boot** through a combination of **REST** and **Apache Kafka** message brokers, **Zookeeper** to establish communication between the **Micro services** in the application environment.
* Worked on **SOAP UI** Pro version for testing through WSDL by generating XML from XSD using **XML Spy**.
* **Deployed Docker contained Spring Boot Micro services in to AWS EC2 container service using AWS admin console and used Lambda, EC2, Elastic Beanstalk, Cloud Watch, Cloud Formation, IAM, S3, RDS, Elasti Cache, SNS, SQS.**
* **Used MMC Mule management console to monitor the request and response payload.**
* **Worked on AWS lambda to compute and run API’s without provisioning or managing servers in real time.**
* Used **Spring MVC** Transaction Management, **Spring/Hibernate Batch Transactions** and **Hibernate cache**.
* Worked on implementing **Hibernate Template** to great extent making use of **Hibernate Query Language**, **Named Parameters**, **Named Queries** and **interfaces** such as **Expression**, **Query**, **Criteria and Transactions**.
* **Worked on Oracle 11g/12c for the backend data, performed complex queries using joins for CRUD operations.**
* Worked on **PL/SQL triggers**and**master tables** for automatic creation of constraints on tables in the database.
* Worked on scripts to create **tables, views, queries**, **performance tuning** the SQL scripts using **TOAD**.
* **Worked on uploading the files in to Oracle database using CLOB and BLOB data types of SQL.**
* **Implemented service layer on the top of MongoDB using Java SDK and RESTful API, Spring Data.**
* **Using MongoDB**, developed **MongoDB schema** also retrieve data from **Mongo replica sets, Shrads** at **DAO** layer.
* Integrated JPA persistence using Hibernate in order to save the current state of the **Drools knowledge session**.
* Configure **JBOSS/Drools server** with **Oracle** Extracted rules data from the database and decision tables.
* Utilized Bash set up environments on either EC2 servers or **Docker** hosts, **Kuberenetes** to manage **Docker** images.
* Wrote services on **scala** to store and retrieve user data from the MongoDB for the application on devices.
* Worked on **Scala**, **play framework, akka streams** to get the **Mongodb** data as the web services in micro services.
* Integration with Spring Boot to simply create Spring Apps that connect to **Hadoop and HDFS** to **read and write data**.
* **Worked on the ELK (Elastic Search, Logstash, Kibana) stack to facilitate information processing and sharing.**
* Worked on testing frameworks like **Cucumber** and automation on **Selenium** web driver, **Junit** and **Mockito**.
* Unit testing is done with **Junit** and Implemented with **Log4j** to provide logs of exceptions.
* Worked on **Drools** engine for validating business rules before runtime on the **JBoss** server.
* Worked on **Git** as version control ,developed **CICD pipeline** along with **MAVEN, ANT, Python** and **python** Scripts.

**Environment:** Java 8.0, Spring Boot, Hibernate 4.2, Spring Boot, JPA, JavaScript, HTML 5.0, CSS3, Angular 2, JBOSS, Intellij, Web Strom, Oracle 11g, Mongo Db, Log4J, JUnit, Mockito, Selenium web driver, XML, Web Services, SOAP UI, Apache Kafka, Netflix Eureka, Netflix Ribbon, GWT, Adobe Flex, Scala, AWS, Ant, Git, PL/SQL, Docker**.**

**Client: Northern Trust Company- Naperville,IL Jan 2015-May 2016**

**Designation: Full Stack developer**

**Responsibilities:**

* Worked on the development of features like activity monitoring and operational dashboard engine, including the rules and alert engine, web app components, recoverability, intelligent workflow features, internationalization, and upgradability using **J2EE**-based business technologies.
* Worked on Implementing presentation layer which includes UI components, validations using **HTML5**, applying styles using **CSS 3**, used **JQuery** to make **Ajax** calls and **RESTful** api for consuming data.
* Worked on single page applications, components using **React JS** directives, controllers, view and routing, service modules using the **Node js** server and the package manager.
* Used **React js framework** in developing various UI components for the application development.
* Utilized the design patterns concepts like **Singleton, Factory, DAO, DTO,** Business Delegate, Façade, prototype and Composite View for the development of the Application Module.
* Worked on Designing and coding **JAXB API** to interact with third party application for asynchronous loading and parsing of **JMS XML** messages.
* Worked on the **RESTful Web services, EJB/JPA,** and **Hibernate** entities for Object Relational mapping.
* Worked on the development the necessary front-end user interfaces in **JSP's, HTML, JavaScript, CSS** and **React JS** that will be integrated using **Spring MVC Framework**. Developed form **Beans/ JavaBeans, Spring** Controller Classes and configured with the corresponding view pages in spring-config.xml file.
* Integrated Web Application using **Amazon Web Services (AWS)** collection of digital infrastructure services during development of Java applications using **EC2 instances and S3 bucket**.
* Implemented Core Java concepts like Collections Framework, multithreading, Memory management.
* Designed **RESTful XML** web service for handling **AJAX** requests.
* Worked on Creating, Dropping Indexes, Tables, Stored procedures and Views on **Oracle DB**.
* **Worked on PL/SQL for stored procedures in oracle database using TOAD and Query optimization.**
* Worked on the efficient exception handling methods and logging using **Spring AOP**.
* Developed **Hibernate** with **Spring Integration** as the data abstraction to interact with the database.
* Worked on the development regression tests for rules and alerts engine, recovery engine, object manipulation functionality, import/export engine and user-defined function handling using **JUNIT**.
* Utilized the twitter **Bootstrap** and **Angular JS**, **React JS** frameworks in effective web design.
* Worked on maintaining separate build in Maven for the module for continuous integration and continuous deployment to the portal build and configure with Jenkins.
* Utilized the **SLF4j + Log4j** API’s for logging the debug and error data.
* Worked on commit logs and resolve conflicts related to merging of source code branches for **GIT**.

**Environment:** J2EE, Springs, Spring MVC, Jenkins, Spring Core, EJB, ATD &TDD, Hibernate 4.0, JBoss, Rest web services, ReactJS, SOA, Multithreading, GWT, Selenium, Backbone JS, WebLogic, HTML5, Bootstrap, JavaScript, CSS, SVN, AngularJS, Oracle, JUnit, AWS, Mongo, Maven, Log4j, Jira Rational Rose.

**Client: Dupont Pioneer- Johnston, IA June 2013-Dec 2014**

**Designation: Sr. J2EE/Java Developer**

**Responsibilities:**

* Used **Agile** as the Software development life cycle
* Worked on the view components using **JSP, HTML, Struts Logic** tags and Struts tag libraries & Involved in developing the **CSS** sheets for the UI Components
* Worked on Configuring **Spring MVC** from scratch using **XML configurations, namespace handling, spring security**.
* Worked on Hibernate in **persistence layer**, written **hibernate mappings using Annotations, HQL, Transactions.**
* Worked on **Hibernate Annotations** to reduce configuration time and access the **Annotated bean** from **DAO layer.**
* Worked on designing and implementation of **Factory**, **Delegate**, **Singleton** ,**Session Facade, Business Delegate, Service Locator** patterns to delegate request to appropriate resources.
* Worked on the testing of the **web services** to establish time taken to attach and send huge PDF on the network.
* **Spring boot** and **RESTful** services are implemented while developing web-based applications using Intelij.
* Worked on **Spring Framework AOP Module** to implement **logging** to know the application status using **log4j**.
* Worked on **Spring DAO Module** along with **Struts** Framework to deal with Database transaction in the application.
* **Spring Framework IOC (Inversion of Control)** design pattern is used to create relationships between application components. It is used to separate the application configuration and dependency specification from application.
* Developed **session, entity beans and message driven beans** using the **Enterprise Java Beans.**
* Worked on the UI using **Struts view component, JSP, HTML, CSS** &**JavaScript, AJAX, and JSON**.
* Worked on **Struts** based presentation layer, **hibernate** based **DAO** layer and integrated them using **Spring Dependency injection, ORM and Web modules**
* **SOAP** has been used as a protocol to send request and response in the form of XML messages.
* Worked on database queries using **SQL** and **PL/SQL** for accessing, manipulating and updating **Oracle db**.
* Worked with **SVN** to merge code and deploy them in to a central depository location
* Wrote **Ant Scripts** to automate the build and deploy process.

**Environment:** Struts 2.0, Hibernate 3.0, JSP, JavaScript, SOAP, Oracle, PL/SQL, Eclipse, Web Logic, Bean, Junit, JBOSS, Struts, DAO, AOP Spring, MVC Spring.

**Client: Marlin Financials- Mount Laurel, NJ May 2012-May 2013**

**Designation: Sr. J2EE/Java Developer**

**Responsibilities:**

* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (SDLC) and used agile methodology (SCRUM) for developing application.
* **Developed the controllers, services and view components in applications using Spring 3.5 framework.**
* **Worked on Spring modules like Controller, DI/IOC, Auto wiring, Spring security, AOP,MVC and AspectJ.**
* **Service Oriented Architecture was exposed through RESTful web services with loose coupling between layers.**
* Worked on implementing **RESTful Web services** in **Service Oriented Architecture** (**SOA**) to retrieve data from client side and made **REST API** calls from **Node.js** and parsed the data to client and handled the security and validations also Authorizations using **Spring Security** and Validator methods authentication is done with **Oauth 2**.
* **Consumed messages from JMS-Message driven beans** , **Active MQ** between the message brokers in the project**.**
* **Worked on Single Page Application (SPA) which can data bind and synchronize with browser using React JS,NPM.**
* **Integrated the Java code in JSP pages and responsible for setting up AngularJS 2.0 framework for UI development**
* Developed the front-end by doing hands-on coding using **HTML 5.0, CSS3, JavaScript, jQuery, Angular JS**, **React JS** and **Node JS, Grunt and Karma** for the tasks like compilation, unit testing on the frontend code.
* **Hibernate Data Access Object classes were developed to retrieve and save data using Spring framework classes.**
* Worked on **Creating, Dropping Indexes, Tables, Stored procedures Views** and **Transactions** on **Oracle database**.
* **Worked on PL/SQL for stored procedures in oracle database using TOAD and Query optimization technique.**
* **Worked on Cloud environment for micro services which was provided using Spring cloud Netflix, Eureka, Hystrix.**
* Consumed REST based Micro services and utilized **Spring Cloud Eureka** to manage the complexity with a **service registry** and **service discovery** also the circuit breaker pattern using the **Hystrix**, load balancing using **Ribbon.**
* Worked on multipart file uploads to the **S3 bucket** also the **Cloud Formation templates** in AWS.
* Expertise with employment of **Spring Kafka** and **Zookeeper** apart from **JMS** as Messaging service.
* Worked on handling periodic exporting of SQL data into **Elastic Search API, Kibana** for the data visualization.
* Worked on **Docker** and **Kubernetes** containers and generated the images and deployed in **AWS Elastic beanstalk**.
* Worked on **Docker** for configuration and deployment, **Spring boot, Spring Data** and **Spring Cloud** to develop **micro services** of Location **REST API** & Location Data Simulator & Updater.
* Worked on the **CI/CD** system with Jenkins on **Kubernetes** container environment utilizing **Kubernetes**.
* Worked on **Log4J** for logging purposes and debug levels are defined for controlling what we log.
* Worked on using **JUnit** testing framework and performed unit and system testing.

**Environment:** Struts 2.0, Hibernate 3.0, JSP, JavaScript, SOAP, Oracle, PL/SQL, Eclipse, WebLogic, Bean, Junit, JBOSS, Struts, DAO, AOP Spring, MVC Spring, Intelij

**Client: State Farm- Bloomington, IL Nov 2010-April 2012**

**Designation: Java Developer**

**Responsibilities:**

* Worked on **Spring** for cross cutting concerns and **IOC** for dependency injection.
* Developed application level persistence using **Hibernate** and **Spring**.
* Worked on Consuming and exposing various web services using **JAX-RS** to different systems like **NPI Validation.**
* Worked on implementing **core Java data structures** for the inventory cost.
* Worked on complex web services and tailored **JAX**-**RSAPI** to suit the requirement.
* Worked on **UI** models using **HTML**, **JSP**, **JavaScript**, **AJAX** and **Node JS.**
* Project Primarily focused on the **Spring** components such as **Spring MVC**, **Dispatcher Servlets**, **Controllers**, **Model** and **View Objects**, **View Resolver**.
* Worked on second level cache to enhance performance and proper memory management.
* Generated **POJO** classes with **JPA** Annotations using reverse engineering.
* Worked on multi-module maven project build applications, & **Jenkins** for **continuous integration and deployment**.
* Worked on creating **WAR**/**EAR** files from maven and deployed them on **Apache Tomcat**.
* Worked on **log4j**, **J Unit** for debugging, testing and maintaining the system state.
* Used **SOAP**-**UI tool** for testing the web services or WSDL file testing.
* Used **SVN** to maintain source and version management.
* Wrote custom **JavaScript** and **CSS** to maintain user friendly look and feel.
* Used **Maven** script for building and deploying the application.

**Environment:** Java/J2EE, JDK, Spring, Hibernate, Web service, JAX-RS, WADL, SOAP UI,JSP, AJAX, Html, CSS, JMS, Maven, log4j, Oracle, MySQL, , SQL Developer , SVN, IntelliJ, PL/SQL, Apache Tomcat**.**

**Client: Virtusa Consulting Services-Hyderabad,India July 2009-Oct 2010**

**Designation: Java Developer**

**Responsibilities:**

* Worked on web based search console for all products
* Attractive common look & feel, components on IE, Firefox browsers
* Developed presentation screens by using JSP, HTML and JavaScript.
* Developed Session beans for functionality as per the requirement.
* Prepared Unit test cases for existing functionality as per the requirement and execute the same.
* Created dynamic XSL to transform XML to target platform language, HTML.
* Involved in the Integration testing support and involved in bug fixing.
* Responsible for writing detail design documents and class diagrams and sequence diagrams.
* Used different Design patterns like MVC pattern, DAO pattern, and singleton to achieve clean separation of layers.
* Involved in Core Java coding by using Java APIs such as Collections, Multithreading, Exception Handling,
* Generics, Enumeration, and Java I/O to fulfill the implementation of business logic.
* Developed Custom tag libraries to separate presentation and processing logic.
* Worked on Hibernate persistence tier. This involves developing mapping files and Hibernate (POJOs/ DAOs)
* Used Lo4j debugging tool to monitor the Error Logs.
* Involved in developing SQL queries, stored procedures, and functions.
* Involved in tracking and resolving Production issues.

**Environment: Java, JDBC, Servlets, Collections, Struts, JSP, Hibernate, Java Mail API, AJAX, HTML, XML, ANT, Log4J, CVS, RAD, Putty, Oracle 9i/10g, Web Sphere**.