**RAVITEJA.K**



**EMAIL**: RAVIKALSANI@GMAIL.COM

**SR. JAVA FULL STACK DEVELOPER**

**PH NO**: 515-497-0282

**PROFESSIONAL SUMMARY:**

Overall 9+ years of experience in Software Development Lifecycle (SDLC) core such as **Analysis, Design, Implementation**, Testing and Deployment of **Web-Based**, **Java/J2EE** technologies & developing applications.

* Experience in developing applications using **JSP, HTML, DHTML, CSS, JavaScript, JSON, Action Script,jQuery, Ajax, Angular JS, XSL, XSLT, XML, React JS**, **Node JS.**
* Expertise in development using **Servlets**, **JDBC**, **JNDI**, **Spring**, **Hibernate, JSF, EJB2.0/3.x**, **XML**, **Web Services**- **SOAP**, **WSDL**, **REST(JAX-RS)**and **Micro Services.**
* Experience with IDEs like **Eclipse, NetBeans, Microsoft Visual Studio, Intellij.**
* Good experienced in architectural issues and their solutions using various design patterns such as **MVC**, **Singleton, Session Facade, Service Locator Factory, Abstract Factory, Adapters, DAO, DTO** and **Business Delegate.**
* Strong knowledge in Database programming design using **Oracle, DB2, MS Access Server** and **MySQL.**
* Expertise in Web Components technologies like **JSP, Servlets, JDBC, AJAX** And designing enterprise applications using technologies like **EJB** and **JMS.**
* Worked with application servers like **IBM WebSphere, Glassfish, JBoss, WebLogic** and **Apache Tomcat**.
* Experience in writing **PL/SQL Stored procedures**, **Functions**, **Triggers** and **Complex SQL's**.
* Deployed **Docker** Engines in Virtualized Platforms for containerization of multiple apps.
* Understanding on big data technologies like **Apache Hive, Kafka, Hadoop** and **Apache Spark**.
* Hands on Experience in working with the **Cassandra Query Language (CQL)** for querying the data-**Cassandra**.
* Good Experience in process Improvement and Continuous Integration by using **Jenkins**.
* Hands on experience in writing light weight **NodeJS, Express server**, and using technologies like **Ajax**.
* Knowledge of Multithreading/synchronization, **NoSQL** Database: **MongoDB.**
* JavaScript/ jQuery, JSON to make connections between server and database like **MongoDB** and **MYSQL.**
* Experience in Building **REST API** layer to facilitate the sharing of data between the front end and Data objects.
* Expertise in developing model components using**Hibernate (ORM)** like **Caching, Hibernate Template, DAO**, to write Database independent persistence logic and to keep up convenient portable relationships between the databases.
* Experience in implementing end to end testing using **Jasmine** and **Karma**, Unit Testing using **Junit**, **TestNG.**
* Experience with messaging systems like **Kafka, Kafka event sourcing.**
* Experience in creating Asynchronous Messaging configuration in **Tomcat, WebLogic** and **web sphere Servers**.
* Experience with creating and workflows and Mappings, running jobs in**Informatica 9.5/ETL.**
* Having knowledge on (**JMS**) **MQ's** like **Rabbit MQ**, **IBM MQ** and **Active MQ**.
* Good experience in using **Amazon Web Services (AWS)** and **AWS SNS/SQS** for delivering messages.
* Experienced in working with **DEVOPS** for continues integration of the project.
* Good Working knowledge of **ANT, MAVEN,MS Build** and **Log4J**.
* Hands on experience on **Amazon Web Services (AWS)** provisioning and good knowledge of **AWS** services like **EC2, S3, Elastic Beanstalk, ELB, RDS, VPC**, **Route53, Cloud Watch, Cloud Formation, IAM, SNS** etc.
* ****Worked extensively on **Management beans** to handle various configurations.

**TECHINICAL SKILLS:**

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| --- | --- |
| **Methodologies** | Agile, Scrum, OOAD, RUP, Water Fall, TDD. |
| **Programming Languages** | Core Java(J2SE), J2EE, C, C++, PL/SQL. |
| **Java/J2EE Technologies** | Servlets, JSP 1.2/2.0, JMS, JSF, NoSQL. |
| **Web Development** | HTML5, DHTML, XHTML, CSS, JavaScript, jQuery, AngularJS, AJAX, ReactJS, Bootstrap, Apache Camel. |
| **Frameworks** | Struts, Hibernate, Spring, JSF |
| **XML/Web Services** | XML, XSD, WSDL, SOAP, Apache Axis, DOM, SAX, JAXP, JAXB, XML Beans |
| **Messaging Technologies** | JMS, Kafka. |
| **Application/Web Servers** | IBM WebSphere 8.x/7.x/ 6.x/5.x, BEA Web Logic 8.1/9.1, Apache Tomcat 5.x/6.x/7.x/8.x, JBOSS 4.x/3.x, Web Sockets. |
| **Databases** | Oracle 8i/9i/10g/11g, Mongo DB, SQL Server 2000/2005 |
| **IDEs** | Eclipse3.6, NetBeans, MicrosoftVisualStudio, Intellij |
| **Build Tools** | Ant, Maven, Gradle, Jenkins. |
| **Version Control** | GIT, Git hub, sub version and JIRA |
| **Testing and Logging Frameworks** | JUnit, Log4J, SoapUI, Test NG, easy mock and power mock. |
| **Reporting Tools** | Crystal Reports 11 |
| **Tools** | Rational Rose, Microsoft Visio, XML Spy, TOAD, AWS, Splunk. |
| **Operating Systems** | Windows, Mac and Linux. |

**PROFESSIONAL SOFTWARE DEVELOPMENT EXPERIENCE:**

**Master Card, Kansas City, MO | Sr. Java / J2EE Full Stack Developer June 2017 – Till now**

**DESCRIPTION:** Master card offers a secure payment gateway for all types of transactions. They are technological expertise for secure transactions. Customers can check their transaction details using their secured login into the web portal. Customers can manage their account at any time from the web portal. Generating reports and online payments can be done through the portal. They can also subscribe for monthly statements through mail or email.

**RESPONSIBILITIES:**

* Worked on the development and testing of the infotainment module using **Agile (SCRUM)** methodologies.
* 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.
* Used **Angular JS** and **Node JS** to structure JavaScript code in an MVC model (**Model-View-Controller**). Used Angular JS, D3JS to build a **single-page application** and used **Angular JS 4.0**, we created custom directives for re-usable components (multi-field form elements, background file uploads, etc.)
* Worked on **React JS** Virtual Dom and React views, rendering using components.
* Used **React JS** for templating for faster compilation and developing reusable components.
* Implemented asynchronous communication using **AJAX.**
* Implemented and encapsulated Websockets in a service and used them inside the Angular 4 components.
* Used **MongoDB** GUI tools like **RoboMongo**, **Studio 3T**in binaries to fetch and monitoring data of MongoDB.
* Implemented a **RESTful API** with **Nodejs**, **Express** to fetch client and accountant relationship from **Mongo DB.**
* Developed Nodejs applications using **ECMAScript 6** (ES6) to integrate with various applicant tracking systems.
* Each and every API’s are tested using **Mocha**, **Chai**, **Simon** frameworks to support unit test cases.
* Worked with **Nodejs**, **ExpressJS**, **Mongoose**and **MongoDB** to create services in Node environment.
* Experienced in calling internal and external API service calls using **NodeJS** modules.
* Used **Micro services** using Spring MVC, Spring Boot, Spring Cloud, Spring AOP, **Dependency Injection**.
* Analyzed the **Node.JS** server structure in legacy project, then mimicked the **REST service** by using java **JAX-WS API,** and did the corresponding configurations.
* Implemented **RESTful** Web Services using **Micro Services** and **JSON.**
* Utilized **Hibernate** for Object/Relational Mapping (ORM) purposes for persistence onto the **Oracle** database.
* Worked on **RESTful**APIs for HTTP requests between client and server.
* Used **Hibernate**, object/relational-mapping (**ORM**) solution, technique of mapping data representation from MVC model to **Oracle** Relational data model with SQL-based schema.
* Developing promotions **Microservice** using Java, **Spring Boot**.
* Worked on developing **Microservices** using **Spring Boot** and **Spring Cloud**were developed, test and documented scalable and high-quality business applications according to business requirements.
* Used Spring core annotations for Dependency Injection **Spring DI** and **Spring MVC** for **REST API’s** and Spring Boot for **micro-services**.
* Used **Spring** framework to achieve loose coupling between the layers thus moving towards **Service Oriented Architecture** (SOA) exposed through **Restful** Services.
* Used **Pivotal Cloud Foundry**(PCF) for developing RESTful APIs in the spring boot framework.
* Implemented data persistence of application by using **Hibernate** to persist java objects to the relational database.
* Implemented **RESTful Web services** in Service Oriented Architecture (**SOA**) to retrieve data from client side and made **REST API** calls from AngularJSand parsed the data to client and handled the security and Authorization using **Spring Security** and OAuth authentication protocol respectively.
* Used **Spark streaming** with **Scala** to consume real-time data from the **Kafka** cluster and run arbitrations
* Deployed Spring Boot based micro services **Docker** container using **AmazonEC2** container using **AWS** admin console.
* Worked on **AWS**, High Availability Practices and deploying backup/restore infrastructure.
* Experience in implementing custom monitoring system through **Splunk** into deployment processes.
* Developed strategies and supported tools to create an efficient integration and release process using **Jenkins.**
* Analyze and resolve conflicts related to merging of source code for **GIT, Bit Bucket**.
* Expertise on Selenium Data Driven framework and integrating it with**Maven** [Build Management Tool], **TestNG** [Unit Testing tool] and **Jenkins** [Continuous Integration Tool].

**ENVIRONMENT:Java 8, Spring Boot, Microservices,NodeJS, ExpressJS, Html 5, JavaScript, Angular JS 4,ECMAScript, CSS 3**, **Ajax, PCF,Git, Bit Bucket, AWS, Jenkins, Web Services**, **SoapUI, Websockets, Test Ng, JSON, Log 4j, Agile, MochaJS, Chai JS, MongoDB, Mongoose, Splunk, Spark.**

**PNC Bank, Pittsburg, PA | Sr. Java/J2EE/Full Stack Developer June 2016 – May 2017**

**DESCRIPTION:**PNC Bank is an American multinational financial bank with operations around the world. Loan Application

Processing System of PNC Bank to keep track of all loan applications received at various branches till the applications are approved or rejected. The system provides two different user interfaces, one for the customer service department to enter information online. The second user interface is used by the loan processing officer to check the applications, the details of the customer so that loan can be granted.

**RESPONSIBILITIES:**

* Used **Angular JS** Directives like ng-app, ng-model, ng-repeat, ng-show, ng-hide, ng-controller, ng-route etc.
* Used **Angular JS** to manage the components for the application and also serves as the pipeline that connects them.
* Developed Interactive web pages using **Angular JS, HTML5, CSS3 and Bootstrap** as per user requirements.
* Used **Angular JS** to look and feel good, added and changed (properties (POJO-plain old java script objects), getters and setter’s functions) the data models directly on them and looped over objects.
* Created the **React.JS express** Server combined with **Socket.io** to build **MVC framework** from front-end side **Angular JS** to back-end **MongoDB**, to provide **broadcast** service as well as **chatting** service.
* Implemented the application using **design patterns** such as **Session Façade**, **Business Delegate**, **Adaptor**, **Bean Factory** and **Singleton**.
* Worked in creating account statements through Node.js and worked on the chat module utilizing Websockets to transmit JSON data string and render them using Node.js websocket.
* Used **Spring Security** to provide primitives for securing application access.
* Used **Spring ORM** with **Hibernate** taking advantage of features like annotation metadata, auto wiring, and generic collections that is used to implement DAO layer with Hibernate Entity Manager’s Session Factory, HQL, and SQL.
* Used **Spring Annotations** to simplify the business logic for creating **Spring MVC RESTful web services**.
* Used **spring boot** Actuator to externalize application's configuration properties for different environments.
* Configured Swagger-UI registered Micro service with Eureka server to monitor service health check from **Spring Boot** admin console.
* Implemented pre-authentication and data base security using **spring security**.
* Used **Spring Batch** for scheduling and maintenance of batch jobs.
* Used **Spring Transaction** to provide a consistent programming model across different transaction APIs such as **Hibernate** and to Support declarative transaction management in application.
* Extensively used **Hibernate** concepts such as inheritance, lazy loading, dirty checking, locking, and transactions.
* Developed **ORM mappings** using **Hibernate annotations**and established data integrity among all tables sitting on Oracle Database.
* Used **Hibernate, ORM solution** and technique of mapping data representation from **MVC model** to Oracle Relational data model with an SQL-based schema.
* Defined **Hibernate** Named Queries for Batch related operations while defined Criteria Queries for **Micro services**.
* **Micro services**have been built using spring boot, spring security and deployed to AWS cloud.
* Design and developed the processes using **Multi-Threading** to make it Asynchronous.
* Used **Multi-Threaded** Environment to run the processes asynchronously using different future calls.
* Setup the continuous Integration (CI) process and continuous deployment (CD) jobs in **Jenkins** brew master instance, which reduces the time for the deployment of **micro services.**
* Used Micro **service** architecture, with **Spring Boot** based services interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Created **BSON** Data and stored as documents comprising documents, data types and conversions in **MongoDB**.
* Composed and executed **MongoDB**scripts to insert and update **NoSQL** database and reporting.
* Prepared **SQL/PL-SQL** scripts and **Stored Procedures** to implement design get it fine-tuned from DBAs if needed.
* Developed UI for internal data aggregation tool using **GWT, Smart GWT, Tomcat, RCP**&**REST** services.
* Worked on **Spring boot, Spring Restful** template to develop Application Level **Micro services**.

**ENVIRONMENT: HTML 5, CSS 3, Bootstrap, Angular JS 1.5, JavaScript, JSON, React JS, Ajax, Maven 3.0, Spring 4.x, Hibernate 4.x, Restful Web Services, WebLogic Application Server, Websockets, Amazon Elastic Beanstalk, S3, Soap UI, Jenkins, Git, Dom, Jax-rs, Junit 4.4, Log4j, Apache Kafka, MongoDB, Oracle 11g, Agile Scrum.**

**United Health Group, Parsippany, NJ | Sr. java/J2EE Developer June 2013 – May 2016**

**DESCRIPTION:** UnitedHealth Group is the most diversified health care company in the United States and a leader worldwide in helping people live healthier lives and helping to make the health system work better for everyone. UnitedHealth Group has long been defined by innovative approach to health care. Optum is a Health Services platform, focuses on helping improve the health care system itself, including population health management, care delivery and improving the clinical and operating elements of the system.

**RESPONSIBILITIES:**

* Used **Angular JS** as framework to create a **Single Page Application (SPA**) which can bind data to specific views and synchronize data with server.
* Refactored and enhanced an existing **Angular JS** application to follow strict MVC patterns for improved source code maintenance which resulted in significant percentage of code reduction, ease of upgrade, scalability, ease of developer to spin up and enhanced performance.
* Used **Angular JS, Node JS** and **Bootstrap** in effective web design.
* Involved in enhancement of existing application utilizing **Angular JS** created role based HTML navigation menu where in menu items changes dynamically based on the values derived from the database in the form of XML.
* Used display tag to render large data. **Bean, HTML and Logic tags** are extensively used to avoid java expressions.
* Implemented client-side Interface using **Node JS** and Used for creating reusable UI components.
* Worked on **RESTful** APIs for HTTP requests between client and server.
* Used **Spring** framework to achieve loose coupling between the layers thus moving towards **Service Oriented Architecture** (SOA) exposed through **Restful** Services.
* Built **spring based Java** and **Scala micro services** to support enterprise web application.
* 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 a lightweight comprehensive solution to enable the development of batch applications.
* Developed and implemented Business Requirements using **Spring MVC framework**. Implemented cross-cutting concerns such as logging, authentication and system performance using **Spring AOP.**
* Created the UI screens using **Spring** MVC for login to the system and performing various operations on network elements.
* Used **GWT** and **Amazon AWS (EC2/S3/EBS)** for prototyping and subsequent evaluation**.**
* Developed **Hibernate DAO classes** with **Spring framework manager** classes retrieve and save data from the DB.
* Provided cloud environment for **micro services** using **Spring Cloud Netflix** (Config Server, Eureka Server, Hystirx, Discovery Client, Ribbon, Zull Proxy).
* **Apache Kafka** is used to send message objects to client queues and topics.
* Implemented **RESTful** Web Services using **Spring MVC** and **JSON.**
* **Hibernate** annotations are included for **Oracle** DB.
* Designed **spring boot** mechanism without configuration XML's and replaced it with Java classes.
* **Log4j** is used for logging purposes and debug levels are defined for controlling what we log.
* Expertise on Selenium Data Driven framework and integrating it with**Maven** [Build Management Tool], **TestNG** [Unit Testing tool] and **Jenkins** [Continuous Integration Tool].

**ENVIRONMENT: Xml, Xsl, AngularJS 1.5, NodeJS, ReactJS, Boot Strap, Html 5, JavaScript, CSS 3**, **Ajax,Spring 3.x,Hibernate 3.x,Git, AWS, Jenkins, Websphere5.0, Web Services**, **JMS, SoapUI, Test Ng, JSON, Log 4j, Oracle DB, Spring Cloud Netflix**, **Config Server, Eureka Server, Hystirx, Discovery Client, Ribbon, Zull Proxy**, **TestNG**, **Agile.**

**TCF Bank Minnesota, MN | Sr.Java/J2EE/Full Stack Developer February 2011 – May 2013**

**DESCRIPTION:**TCF is a Wayzata, Minnesota-based national financial holding company that offer services like banking, investment and loans. Personal Loan Processing Application offers various features like creating new accounts, managing existing accounts, processing credit card and personal loan applications. Personal Loan processing has various modules for Customer Information, Loan Application verification, Loan Authorization, Loan Approval and Change history.

**RESPONSIBILTIES:**

* Involved in all phases of Software Development Lifecycle including Requirements
* Collection, Analysis of the Customer Specifications, Development, Handling Change Request, Bug Fixing, Code Review and Customization of the Application.
* Developed the application using **J2EE** architecture specification and Design patterns.
* Involved in designing of the application following **Model-View-Controller** (MVC) architecture.
* Involved in Coding Server pages using **JSP**.
* Involved in converting the custom tags from Struts to **JSF** Prime faces
* Implemented User Interface (front-end) screens using **JSP,JSF, HTML, CSS** and **JavaScript.**
* implemented Hibernate to map all the tables from different data sources to make database updating. Explored Map-reduce algorithm and **NoSQL**.
* Using jQuery for event handling and **AJAX** interactions for rapid application development.
* Developed screens using **JSP, DHTML, CSS, AJAX, JavaScript, JQUERY, SpringMVC, Core Java** and **XML**.
* Developed Various Middleware Components by using **SOAP** full web services.
* Developed DAO interfaces & implementations for database related operations using Hibernate and **JAXB.**
* Implemented **SQL, PL/SQL** Stored Procedures.
* Using **JUnit** for testing the application, created and integration test cases for the DAO and Service using **JUnit.**
* Using **SVN** version controller to manage the code versions.
* Used **XML Web Services** using **SOAP** to register agents using non-java application.
* Excellent implementation knowledge of Distributed Web Services/ Enterprise / Web / Client- Server systems using Java, **J2EE** (**JSP**, **Servlets**, **JDBC, EJB, JNDI, JMS, JAXP, JAXB, SDO, JPA), XML, SOA Web services, ESB, JINI** and Java Spaces Technology.
* Used **JMS** for the asynchronous exchange of critical data and events among J2EE components. **Publisher-Subscriber** method was used for data loading and **Point-To-Point** method of **JMS** was used for event processing

**ENVIRONMENT: Core Java ,java 1.7 J2EE 1.4, JSP 2.0, JSF, DB2 EJB,struct 1.x, JMS, JSTL JNDI, Spring 3.0, Multithreading, JDBC, JMS,Oracle, DHTML, XML, DOM, SAX, JavaScript, Ajax, HTML, Junit, JBOSS application server7.1, PL-SQL, SOAP, REST Web services, Tomcat server, Servlets, Rationale Rose, JSF, WSAD 5.1.2, jQuery, IBM Web Sphere Application Server 5.1, Hibernate 3.0, LOG4J, CVS, NoSQL.**

**Retail Ventures Inc, Columbus, OH | Java/J2EE Developer December 2010- January 2012**

**DESCRIPTION:** The Fair Credit Reporting Act (FCRA) requires JDF to update Adverse Action and Risk Based Pricing (JDFRP only) letters sent to Farm Plan, JDFRP consumer customers, and Personal Use Installment Accounts to disclose credit score information used in the credit decision process. The design outlined in this document is for the manual letters for Revolving Products only and the functionality to be added to Service Desktop to facilitate this functionality. Service Desktop display the credit bureau score information retrieved during the Score Append process.

**RESPONSIBILITIES:**

* Involved in complete SDLC 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.
* Engaged in developing the UI by using **HTML, JSF, jQuery**, **and JavaScript** and in some places used **AJAX** to make calls to other services.
* 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 Struts Framework to deal with Database.
* **Spring MVC Framework IOC**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 **EJB3.0 annotations**, synchronizing Data base tables through XML in a secondary project.
* 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 with **SOA** by developing and consuming **Restful** web services based on **JAX-RS** and **Jersey**.
* Wrote corresponding one-one **REST** methods to implement respective change requests (change appliers)
* Created **SOAP** based web service using **JAX-WS** and tested service using **SOAP UI**.

**ENVIRONMENT:HTML, JSF, jQuery**, **JavaScript, Servlets, JBoss, Spring 3.x, Hibernate 3.x, Spring MVC, SVN, SOA, Restful, Jax-Rs, Jersey, SoapUI, Jax-Ws, JBOSSJunit, Webservices, Postman, Junit, Agile.**

**Infotech Enterprises Ltd, HYD, India | Java Developer June 2009 – October 2010**

**DESCRIPTION:**This application is a J2EE web based application for corporate customers. This Application enables the corporate users to manage their corporate mobile phones which involves Activation of Handsets under their corporate, Mass Activation, adding subscribers under the same Billing Account Number (BAN), Adding inactive equipment, adding alternate lines to the existing active accounts, adding price plans to his account, updating the information of the accounts, Subscribers and Corporates, changing price plans, Bulk Activities, Check Billed Usage etc.

**RESPONSIBILITIES:**

* Involved in preparation of functional definition documents and Involved in the discussions with business users, testing team to finalize the technical design documents.
* Enhanced the Web Application using **Struts.**
* Created business logic and application in **Struts** Framework using **JSP,** and **Servlets.**
* Documented the code using **Java doc** style comments.
* Wrote Client-side validation using **Struts** Validate framework and **JavaScript.**
* Wrote unit test cases for different modules and resolved the test findings.
* Implemented **SOAP** using **Web services** to communicate with other systems.
* Wrote **JSPs, Servlets** and deployed them on **WebLogic Application server.**
* Developed **automated Build** files using **Maven.**
* Used Subversion for **version control** and **log4j** for **logging errors.**
* Wrote **Oracle PL/SQL Stored** procedures, triggers.
* Helped production support team to solve trouble reports

**ENVIRONMENT:Java, J2EE, Struts, JSP, Servlets, JavaScript, Hibernate, SOAP, WebLogic, Log4j, Maven, CVS, PL/SQL, Oracle, Windows.**

**EDUCATIONAL DETAILS:**

Bachelor’s degree from JNTUH 2009, computer Science and Engineering.