**Navya Koppula**

navyareddykoppula@gmail.com

**(916)-790-9842**

**SUMMARY:**

* **8+ years of** experience as **Senior Java** developer with strong development experience in User Interface applications and integration of highly transactional and scalable enterprise applications.
* Used the best practices of SDLC as well as **Agile/SCRUM** methodologies.
* Proficient in working with **HTML, CSS, Bootstrap, XML, AJAX, JavaScript, JQuery, MongoDB, ExpressJS, AngularJS, NodeJS, (MEAN Stack**).
* Proficient in developing front-end systems with **JavaScript**, **JQuery**, **Ajax**, **Bootstrap**, **HTML**, **CSS** and JavaScript frameworks such as **AngularJS, NodeJS, ReactJS, BackboneJS, D3 JS** and **ExtJS**.
* Proficiency in server-side Java development with exposure **RESTful** web services, **AJAX** powered web applications.
* Developed the Spring Features like **Spring MVC, Spring DAO, Spring Boot, Spring Batch, Spring Heroku, Spring Security, Spring Integration, Spring Zuul, Spring Eureka, Spring Netflix, Spring Hystrix**.
* Hands on experience in implementing SOA (Service Oriented Architecture) and web services such as **SOAP** and **REST** using **WSDL**, **CXF2**, **JAX-WS** and **JAX-RS**.
* Developed Web applications to consume **JSON** response using callback functions.
* Developed and designed web interfaces and layouts using **PHP, JavaScript, HTML** and **CSS**.
* Very good experience with **Model2 (MVC) architecture** and **Jakarta Struts/Tiles**. Solid experience in using **Jakarta Apache frameworks** like **Struts, Maven, ANT, JUnit** and **Log4J**.
* Experienced in frameworks like **Jakarta struts framework, JSF, spring, Spring Boot, Spring Batch, Spring Security, Hibernate**.
* Developed and implemented the MVC Architectural Pattern using **JSF** Framework including **JSP**, **Servlets**, **EJB**.
* Hands on experience in **Amazon Web Services (AWS)** provisioning and good knowledge of **AWS** services like **EC2, S3, Elastic Beanstalk, ELB (Load Balancers), RDS, VPC,** Direct Connect, Route53, Cloud Watch, Cloud Formation, IAM, SNS etc.
* Defined **AWS** Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more **AWS EC2** instances.
* Experienced in Development, testing and deployment of enterprise applications on Windows & UNIX platforms using IDE’s such as **Eclipse, Rational Application Developer (RAD), NetBeans, IntelliJ.**
* Experience in creating Databases, Tables, **Stored Procedure**, DDL/DML **Triggers**, Views, User defined data types (UDT), Cursors, Functions, data dictionaries, and maintaining data integrity and Indexes using T-SQL.
* Good knowledge of **Spark** and **Hadoop** Architecture and various components such as **HDFS, YARN**, Name Node, Data Node and MapReduce concepts
* Strong knowledge on **Spring** **Yarn** terminology and the High-Availability of Hadoop Clusters.
* Experience in database development skills like **MySQL**, **Oracle**, **SQL Server** and NoSQL Databases like **MongoDB, Marklogic, Cassandra** etc.
* Expertise in working on **ANT, Maven, Log4j, Mockito, JMock, Test-ng.**
* Experience providing training to development teams on how to track, plan and analyze using **JIRA**.
* Good working knowledge of **Grunt, Bower, Generators**.
* Having knowledge on (JMS) MQ's like **Rabbit MQ**, **IBM MQ** and **Active MQ**.
* Knowledge on creating a custom web app using Spring, **iBATIS**.
* Upgraded **Apache Tomcat** in Production servers to latest version, configured and tested successfully.
* Hands on experience on installation of **Docker** using **Docker** toolbox.
* Knowledge of writing rules directly in the **Drools Rule Language** (DRL), and decision table.
* Good experience in unit testing using **Karma, Jasmine** and **JUnit,** Automated Testing using Java, Junit/TestNG, **Selenium** (IDE/Webdriver), Integration Testing using **Continuum, Selenium**, **Hudson**, **Jenkins** and **Apache camel.**

**TECHNICAL SKILLS:**

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| **Programming Language** | **Java 1.7/1.8, SQL, PL/SQL** |
| **Java/J2EE Technologies** | **Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, Swing, AWT, Applets, Multi-threading, Java Networking** |
| **Java Frameworks** | **Spring MVC, Struts 2.0, JSF** |
| **Application/Web Servers** | **WebLogic, IBM WebSphere, JBoss, Tomcat** |
| **ORM Frameworks** | **Hibernate, JSF, IBATIS** |
| **Web Technologies** | **JSP, JavaScript, JQuery, AJAX, XML, XSLT, XHTML, DHTML, CSS, SASS, LESS, HTML, AngularJS, Ext JS, backbone JS.** |
| **Spring Framework** | **Spring IOC, Spring Batch, Spring Boot, Spring Security, Spring Hystrix, Spring Heroku, Spring Zuul, Spring Netflix, Spring Integration, Spring Eureka, Spring Ribbon, Spring Yarn** |
| **Database Server** | **Oracle 10g/11g, DB2, MongoDB, SQL server, MS Access and MySQL, Cassandra.** |
| **IDE** | **Eclipse, RAD, WSAD, NetBeans, IntelliJ** |
| **Web Services** | **REST, SOAP, JAX-WS, JAX-RPC, JAX-RS, WSDL, Axis2, Apache CXF** |
| **Version Control** | **GIT, CVS, SVN** |
| **Build Tools** | **ANT, Maven, Gradle** |
| **Methodologies** | **Agile, Scrum, Water-Fall, Rapid Application Development** |
| **Modelling Tools** | **Microsoft Visio, Rational Rose** |
| **Operating System** | **Windows, Linux, UNIX** |
| **Tools** | **Apache Camel, ESB, cucumber, Redhat BPM** |
| **Testing** | **Junit, Jasmine, Karma, Protractor, Selenium, Jenkins, Docker** |

**PROFESSIONAL EXPERIENCE:**

**Client: Wells Fargo, Charlotte, NC Jan 2016 – till date**

**Role: Sr. Full-stack developer**

**Description:** This bank offers various financial and banking services to its customers. This application is a part of online banking that allows a customer to pay bills securely and to make monthly automatic bill payment. The functionalities involved in this make a payment, set up automatic payments, add a payee, Receive bills electronically, Email notifications, Review Payments. This project also supports the intra and inter-bank transfer of funds for customers.

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
* Fallowed **Test Driven Development (TDD)** and **agile** methodology.
* Developed UI pages with **JSP, Spring MVC, HTML5, CSS3, JavaScript, JQuery,** and used **Boot Strap** for creating Responsive Web pages.
* Created **AngularJS Controller** which isolate scopes perform operations in UI.
* Followed the strict patterns of implementing model-view-controller (MVC) architecture using **Angular Framework**. Design and implementation of accessibility features and collaborating with customer up to date.
* Worked on **Oracle** database concepts such as locking, transactions, indexes, sharding, replication, schema design.
* Web application backend **REST API** utilizing **AngularJS** and **Oracle.**
* Developed the server side application on **AngularJS** platform using **JavaScript** programming.
* Built **REST**web service by building **Node.JS**Server in the back-end to handle requests sent from the front-end **jQuery Ajax calls**.
* 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.
* Used **Multi-threading** to overcome the errors in the process of transactions, to handle all the threads by the main thread process.
* Used **Micro service** architecture, with Spring Boot based services interacting through a combination of REST

and **Apache Kafka** message brokers.

* **Apache Kafka** is used to send message objects to client queues and topics.
* Designing and developing the algorithms for server module that configures process management engine using **JAVA8.**
* Designing and implementing scalable, **RESTful** and **micro-services-based** mobile back-end. The back-end is being written in **Java** using **Spring Boot** for simplicity and scalability.
* Used slick to **query and storing** in database in a **Scala** fashion using the powerful **Scala collection framework.**
* Developed the Spring Features like **Spring MVC, Spring DAO, Spring Boot, Spring Batch, Spring Security, Spring Integration**.
* **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.
* Implemented **Spring security**for**application access**and**authorization.**
* Implemented a **circuit-breaker pattern** which automatically or manually to stop all requests to an external service.
* Implemented **Spring Hystrix** to enable real-time monitoring, alerting, and operational control.
* Used **Spring Ribbon** API to checkwhether the servers are up and running in a live environment and detected those servers that are down.
* Developed **RESTful** service interface using **Spring MVC** to the underlying Agent Services API and Implemented RESTful web services.
* Designed **spring boot** mechanism without configuration XML's and replaced it with Java classes.
* Involved in the development of underwriting process, which involves communications without side systems using **Rabbit MQ** and **JMS.**
* Used **Spring Core** for dependency injection/Inversion of control (IOC) and **Hibernate** Framework persistence onto **Oracle** database.
* Used **Spark** to deploy cluster manager through interface.
* Created Stored Procedures, User Defined functions, Views and implemented the Error Handling in the Stored Procedures and **SQL** objects and Modified already existing stored procedures, triggers, views, indexes depending on the requirement.
* Involved in requirements gathering and Capacity planning for Multi-Datacenter (four) and **Cassandra** **Cluster**used **Oracle DB and MongoDB** for Database related activities.
* Used **Hibernate** mappings, relationships between tables and entity classes to access and update information in the database.
* Migration of Existing Application to **AWS** cloud. Used Amazon Web Services (**AWS**) like **EC2, S3**, RDS, cloud watch and Cloud Front for promoting code in various environments.
* Worked on creation of custom **Docker** container images, tagging and pushing the images.
* Worked with the Node package manager(NPM) along with **Grunt** and **Bower** for the build.
* Used **Apache Maven**as the software build tool and Log4J for logging errors and messages.
* Deployed the application in **Apache Tomcat**.
* Develop unit test using **Karma** and **Jasmine**. Followed strict patterns of RA team for unit test cases with **jasmine**.
* Used **Drools** Decision table using excel sheets with a Spring MVC project.
* Used **JENKINS** for **continuous integration(CI)** and **continuous deployment(CD)**.

**Environment: JAVA 8, HTML, CSS, Bootstrap, AngularJS, NodeJS, Ajax, Rest webservices, SpringMVC, Java 1.7/1.8, Core java, Scala, Spring Boot, Multithreading, Spring 4.x, Hibernate 4.x, Spring Batch, Rabbit MQ, JMS, AWS, Docker, Grunt, Bower, Spring Security, JUnit, Karma, jasmine, Jenkins, Spark, Cassandra, Apache Maven, Kafka, Oracle 10g/11g.**

**Description: BCBS Detroit, MI Aug 2013 – Dec 2015**

**Role: Sr. Java Full Stack Developer**

**Description:** Share IT is end to end Medicare solutions product developed by BCBS, FL. Share IT is responsible for establishing a Medicare platform to support claims processing, enrolment, billing and reconciliation within and outside the diamond system. It will also serve as a repository of previous proposals**.** Medicare enrolment is used to enroll member in Share IT**.**

**Responsibilities:**

* Worked as Full Stack Developer assisting my team in developing two different Web-based applications. Fallowed **Test Driven Development(TDD)** and **Agile** methodology.
* Developed UI pages with **JSP, Spring MVC, HTML5, CSS3, JavaScript, JQuery,** and used **Boot Strap** for creating Responsive Web pages.
* Involved in developing a Single-Page Application pages using **AngularJS, REST** Services.
* Worked on integrating **GWT** for generating the java script files for reporting the high frequency of functionality in mini-pie chart.
* Engaged in developing the UI by using **HTML, JSF, JQuery** and JavaScript and in some places used AJAX to make calls to other services.
* **Java Server Faces (JSF)** for building component-based user interface.
* Improve presentation of web pages **CSS,** **Adobe Flash** and **JQuery plugging.**
* Used **JQuery** and **AngularJS** to provide dynamic User Interface and for the client side validations.
* Used **Angular JS** to include creating modules and components and coupling them together into a functional app.
* Involved in the creation of interface to manage user menu and bulk update of attributes using **AngularJS** and **JQUERY.**
* Built **REST**web service by building **Node.js**Server in the back-end to handle requests sent from the front-end **jQuery Ajax calls**.
* 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.
* Managing and running the applications within containers by using **Docker.**
* Worked on automating data loading, extraction. **UNIX Shell scripting** is used for generating the reports.
* Developed **Restful Web Services** for Historical Data Module for Small Business Merchants.
* Involved in developing components on Reporting Dashboard with **Spring MVC, Spring Framework** and **Hibernate** and created **Microservices** using **Spring Boot.**
* Produced comprehensive documentation for **Microservices** and Applications supporting Change Management process.
* Worked on **Spring boot, Spring Restful** template to develop Application Level **Micro services**.
* Implemented crosscutting concerns using **Spring AOP**.
* Used **Spring Framework** for Dependency Injection and integrated it with the **JSF** Framework.
* Used **Spring Security** for implementing the authentication, authorization, and access-control features.
* Involved in the development of underwriting process, which involves communications without side systems using **IBM MQ** and **JMS.**
* Performed code build and deployment using **Maven** and **Jenkins.**
* Administered and deployed applications into **JBoss Server.**
* Developed **JSON** services **JAX-RS** and **JSON** documentation using **Swagger API.**
* Created tables and worked on **My SQL** and **PL/SQL** to write Stored Procedures functions and packages for complex Inserts and updates in the database. And used Stored Procedures in the application.
* Wrote **My SQL** queries to get the data, update the data from the database and to connect database in the DAO implementation classes.
* Used **AWS** (Amazon Web Services) Deploying, managing and operating scalable, highly available, and fault tolerant systems.
* Implemented and managed continuous delivery systems and methodologies on **AWS.**
* Developed test cases and performed unit testing using **Karma, Jasmine and JUNIT** Test cases.
* Developed multiple unit and integrations tests using **Mockito, Easy Mock.**
* Developed test scripts in **Selenium Web Driver** using Java Language.
* Implement technologies we used **NPM** to improve development process.
* Used version control repository **SVN** (Subversion by apache) and **JIRA** for issue tracking.
* We used **Grunt** for Build Process.

**Environment**: **HTML5, CSS3, Java Script, JSF, XML, GWT, Ajax, AngularJS 1.x, Restful Services, Node JS, Spring MVC, Spring, Spring Boot, Spring Security, Spring Core, Java 8, JDK, Multi-Threading, Hibernate, My SQL, Spark, Shell Scripting, Maven, Jenkins, JBoss, AWS, Docker, SVN, Swagger, Selenium Webdriver, Grunt, NPM, JUnit, Karma, Jasmine, Mockito, Eclipse, Jira.**

**Goldman Sachs, Jersey City, NJ Apr 2012 – July 2013 Role: Sr. Full Stack Developer**

**Description:** Project Apple is the acquisition and integration of GE Capital Bank’s online deposit platform into Goldman Sachs. The purpose of this project is to keep a continuous monitor on the activities of the account holders. Feed comes in from upstream (DWH), application process the feed and dumps in the data into multiple DB’s. application consist of various modules like, FRAUD UI, Feedback loop, Alert-Generation and Reporting

**Responsibilities:**

* Built Rich Prototypes and Applications using **HTML, CSS, JavaScript, JQuery, Ajax, JSON, Ruby and rails, Bootstrap with MySQL database.**
* Developed source code to consume **JSON** response received through **XHR/AJAX** calls using **JQuery.**
* Participated in development of a new business application for the layout using Grid orientation model **Bootstrap** framework.
* Integrated the **frontend JQuery UI** with **backend REST API**.
* Built responsive site using **Bootstrap** that fits devices of different visual sizes.
* Coding, styling, testing of reusable **JavaScript, CSS, HTML widgets** / libraries for **complex UI controls.**
* Responsible for **JavaScript / AJAX UI** upgrades and improvements.
* Worked with core java and **Drool rule engine** and participated in all aspects of software life cycle including analysis, design, development, production deployment and support.
* Designed and Implemented the DAO layer using **Spring, hibernate**.
* Implemented RPC integration style using **Restful web services**.
* Used **Spring Core** for concept **Inversion of control** (IOC) implemented using **dependency injection**.
* Implement the authentication, authorization, and access-control features by using **Spring Security**.
* Tested **cross browser functionality** and fixed major layout bugs for supported browsers including IE6.
* Facilitated **User Testing** sessions to solicit feedback on prototypes.
* Created and consumed web services using **Restful** and **SOAP** web services
* Developed application using **Spring MVC**, **JSP** and **AJAX** on the presentation layer, the business layer is built using spring and the persistent layer uses Hibernate.
* Created and maintained complex **triggers** for logon and some R/I.
* Created **Stored Procedures**, User Defined functions, Views and implemented the Error Handling in the Stored **Procedures** and SQL objects and Modified already existing **stored procedures**, **triggers**, views, indexes depending on the requirement.
* Developed test scripts in **Selenium Web Driver** using Java Language. Developed unit testing using **JUnit.**
* Used **JENKINS** for **continuous integration(CI)** and **continuous deployment(CD)**.

**Environment**: **HTML, CSS, JavaScript, JQuery, Bootstrap, Spring, Drool rule engine, Hibernate, SOAP web services, Spring MVC, selenium, JUnit, Jenkins, Apache Tomcat, MySQL.**

**Mercury Insurance Group, Los Angeles, CA Oct 2011 – March 2012**

**Role: Sr. Full Stack Developer Project: MI Group**

**Description:**The insurance based company provides insurance for car, homes Condo, business auto insurance etc. The developed application provides web based online insurance services. User can check on various insurance rates, get customer support, claim their insurance and have their personal account. Client can access their account information, track their insurance policies, claims and news on updated or new policies. Application also supports features for customer care services and internal reporting and log maintenance. The application had been developed using Struts framework along with hibernate and log4j.

**Responsibilities:**

* Participated in all phases of development, analysis, design, program analysis, programming, debugging, testing, documentation, delivery and implementation.
* Developed Spring Application using **Spring Core, Spring AOP, Spring MVC, Spring Batch, Spring Security, Spring DAO**.
* Created branding in the **web UI front end** using **CSS** classes.
* Extensively worked on Java server side programming using **Spring MVC, Servlets** and **JSP**.
* Designed and developed middleware application using **spring core** framework.
* Used **JQuery, Ajax** for service calls on pages to interact with the server for information.
* Used **JavaScript, JQuery** for user interactions in pages.
* Used Jenkins for the automatic build process.
* Developed UI using **HTML, CSS** and **JQuery** to display the data on the client side.
* Built **html** templates for high traffic and complex data driven websites.
* Extensively used **spring core**, Filters, servlets and server side programming.
* Built **html templates** for **high traffic** and **complex data driven website**.
* Developed RAML based **REST** web services for API's using Mule**ESB**.
* Developed SOAP webservices using **Apache CXF** webservices and Spring framework.
* Used **Mongoose Connector** to connect to **MongoDB** through Express framework.
* We used **Multithreading** in this application to improve the performance.
* Development of **MQ** application programs for Java **JMS** environments using queues and messages.
* Debugged all look and feel issues in the target browsers, in conjunction with quality assurance.
* Used **Maven** for compilation and building JAR, WAR and EAR files.
* Developed and prepared test cases for unit testing with **JUnit.**

**Environment: Spring MVC, Spring Core, Spring AOP, Spring MVC, Spring DAO, Batch processing, Multithreading, JSP, Servlet, JQuery, HTML, CSS, AJAX, MAVEN, Jenkins, JUnit, JMS, J2EE, Mule ESB, Apache CXF, MongoDB.**

**Ever Bank, Jacksonville, Florida Oct 2009 – Sep 2011**

**Role: Sr. Java Developer**

**Description:** Ever Bank provides services in banking, mortgages, and investing sector. Developed application provides transaction management with double entry accounting. It manages account information with credit, debit, liabilities, stock transaction etc. It presents market stock trends and general trends on share values with different reporting format on user financial status. It utilizes json objects to store general purpose datasets. The application has been developed on Spring MVC, Hibernate and REST API.

**Responsibilities:**

* Involved in requirements gathering and analysis from the existing system. Captured requirements using Use Cases and Sequence Diagrams.
* Developed the application using **Struts, Servlets**and **JSP**for the presentation layer along with JavaScript for the client side validations.
* Developed the web application using **JSF** framework with user interfaces using **JSP, HTML**, and **CSS**. Also used **JSF** validation framework for front-end validations.
* Developed JSP pages using **Java Server Faces (JSF)** UI Components.
* Worked with **Struts** (MVC Paradigm) components such as Action Mapping, Action class, Dispatch action class, Action Form bean.
* Responsible for building scalable distributed data solutions using Datastax **Cassandra**.
* Used core java to design application modules, base classes and utility classes.
* Implemented DAO layer using **IBATIS** and wrote queries for persisting demand core banking related information from the backend system using Query tool
* Implemented Multi-threaded/Concurrent mechanisms for improve the performance.
* Developed web based presentation using **JSP** and Servlet technologies and implemented MVC pattern using **STRUTS** framework.
* Experienced in developing the **UNIX Shell Scripts** and PERL Scripts to execute the scripts and manipulate files and directory.
* Used **Ajax** to communicate with the server to get the asynchronous response.
* Developed a code for Web services using **XML, SOAP**and used **SOAP** UI tool for testing the services.
* Involved in the development of **SOAP** and WSDL files for the web services interacting with business Logic.
* Involved in planning process of iterations under the **Agile Scrum** methodology.
* Used **Log4J**for logging the user events.
* **Maven** for compilation and building JAR, WAR and EAR files.
* Used **JUnit** for unit testing and **Continuum** for integration testing.

**Environment: HTML, CSS, JQuery, AJAX, JSP, UNIX Shell Scripts, SOAP web services, JUnit, Multi-threading, iBATIS, Core Java, Cassandra.**

**Company: People Group, Mumbai, India May 2008 – Sep 2009**

**Role: Software Engineer (Java)**

**Description:** The Payroll module is a freeware application, which uses Struts framework for Smart Switch Corporation. The module allows the user to add a new employee, his pay structure, generate pay slip, deductions, Income Tax calculations and other payroll activities. The user can also modify the pay structure with a user-friendly GUI and uses Hibernate for the back-end transactions.

**Responsibilities:**

* Gathered user requirements followed by analysis and design. Evaluated various technologies for the Client.
* Developed **HTML** and **JSP** to present Client side GUI.
* Involved in development of **JavaScript** code for Client Side Validations.
* Involved in development of presentation components using **Swings**.
* Extensively used **XML** documents with **XSLT** and **CSS** to translate the content into **HTML** to present to GUI.
* Developed dynamic content of presentation layer using **JSP**.
* Develop user-defined tags using **XML**.
* Used **Struts** Framework to implement **J2EE** design patterns (MVC).
* Developed, Tested and Debugged the **Java, JSP** and **EJB** components using **Eclipse RCP**.
* Developed Enterprise Java Beans like Entity Beans, Session Beans (both Stateless and State Full Session beans).
* Developed **JSP** as the view, **Servlets** as Controller and **EJB** as model in the **Struts** Framework.
* Worked on Web Logic application server to deploy **JSP** and **EJB** applications.
* Created and implemented **PL/SQL** stored procedures, triggers.

**Environment:** **Core Java, J2EE, Swing, EJB 2.1, JSP 2.0, Servlets 2.4, Struts, HTML, XML, CORBA, XSLT, CSS, Java Script, Eclipse RCP, PL/SQL, Weblogic8.1.**