**Navaneetha Mareddy**

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Seeking a professional opportunity as a programmer to develop solutions to business problems utilizing the key skills acquired through programming experience and education.

PROFESSIONAL SUMARY

* Around 11 years of progressive experience in all the phases of software development life cycle (SDLC) that includes Requirement Study, Analysis, Design, Development, implementation and testing of various client/server and N-tier web applications.
* Experienced in various software and system architectures like MVC, Service Oriented Architecture and microservices.
* Experienced in developing J2EE and enterprise integrated applications using Spring Boot, Spring MVC, Struts, Hibernate, JPA based frameworks and Mule ESB.
* Experienced in developing web-applications using various design patterns.
* Extensive experience in developing user interface using JSP, JavaScript, JSTL, TAGLIBS, CSS and HTML.
* Extensive experience in writing the SOAP and RESTful web services using REST API, JAX-WS, JAX-RS.
* Experience in writing, optimizing PL/SQL queries, development of stored procedures, joins, views like database objects in Oracle, MS SQL Server.
* Proficient in developing UNIX shell scripts.
* Sound experience in developing and deploying applications using JBoss 4.2/6.4/7.0, Apache Tomcat Server 5.0/6.0/7.0.
* Expertise on working with Mule context, mule message flows and building blocks like connectors, filters and transformers.
* Familiar with MEL expressions to alter the properties and state information in mule messaging flow.
* Hands on experience using mule connectors like HTTP, Database, Salesforce, SMTP, FTP, JMS, Listener.
* Familiar with AWS Cloud Technology.
* Familiar with Docker and Kubernetes.
* Expertise on build tools like ANT and MAVEN.
* Extensive experience on code repositories like SVN, CVS and GitHub.
* Extensive core domain knowledge on several banking systems and finance service providers like DNA, MSP, Kofax, HARLAND, EQUIFAX, Wolters Kluwer, Architect, FraudGuard.
* Having good understanding on the FileNet Content Management Tools like P8 and IDM.
* Expertise in Selenium automation using Selenium Web Driver
* Good experience on scheduling the batch jobs or webservice calls using the Enterprise Scheduler tools like TIDAL.
* Exposure to all stages of Software Development Life Cycle. Ability to understand Functional Requirements and Design Documents.
* Capable of working independently as well as a part of dynamic team. Ability to quickly grasp business domain.
* Experience in mentoring, providing guidance to interns and other developers within the team.
* Excellent analytical capabilities and good communication skills. Ability to quickly adapt to new environments and learn new technologies.

EDUCATIONAL QUALIFICATIONS

* **Master’s in computer science** [Aug 2009 - Dec 2010]

Northwest Missouri State University (NWMSU)

* **Bachelor of Technology in Computer Science Engineering** [Sept 2005-May 2009]

Jawaharlal Nehru Technological University of Hyderabad (JNTUH)

SKILLS & EXPERTISE

**Languages**: Java, Python, Groovy, SQL and PL/SQL, HTML, UNIX, C, C++, C#, PL/SQL.

**J2EE Technologies**: JSP, Servlets, JDBC, JAXB, MVC, Java Beans.

**Integration Technologies:** Mule 3.X

**Frameworks**: Struts 1.x, Spring, Spring Boot.

**Persistence layer**: JDBC, Hibernate, JPA.

**IDEs/tools:** Spring Tool Suite, Eclipse, Anypoint Studio, Visual Studio

**Web Tools**: HTML, CSS, JavaScript

**Version Control**: CVS, SVN, BitBucket.

**Database**: Oracle, SQL Server.

**Documentation Tools**: MS Office, Visio.

**Web/Application Servers**: JBoss, Apache Tomcat.

**Cloud Technologies:** AWS

**API Management:** APIGEE

**Automation Technologies:** Selenium **Tools**: SQL Developer, TOAD, WinScp, SoapUI, DynaTrace, Load UI, JIRA, TIDAL, Splunk, Confluence, Jenkins, Memory Analyzer (MAT), LDAP Explorer.

PROFESSIONAL EXPERIENCE

**CLIENT:** Flagstar Bank, Troy MI [October 2011 to present]

**ROLE:**

Lead Application Developer [June 2017 to present]

Sr. Application Developer [October 2015 – June 2017]

Systems Engineer/Distributed Developer [March 2011 - October 2015]

**Project 1: Conduit Enhancement Program (Servicing)**

Conduits are internal middleware API’s that has shared api’s between multiple applications. Conduit enhancement program is migration between data warehouse to the ODS. This project involved introducing data api’s for the new ODS as well as migrating the existing conduits. These middleware conduits had nearly 15 applications consuming the API’s.

***Responsibilities:***

* Involved in various phases of **Software Development Life Cycle** (SDLC) of the application like Requirement gathering, Design, Analysis, and Code development.
* Developed Data API’s on **Spring boot** by utilizing its features like Spring Dependency Injection, Spring AOP, Spring Security, Spring JPA.
* Leveraged spring boot named queries instead of writing native queries unless required.
* Spring AOP is used to provide declarative enterprise services such as declarative transaction management.
* Implemented Service Oriented Architecture (SOA) by developing **SOAP** and **REST** Web Services using Controller’s and Endpoint’s.
* Used **JPA** in mapping the oracle database with the **POJO** classes.
* Implemented Java/J2EE Design patterns like **Singleton**, **Data Access Object** (DAO) and **Data Transfer Object** (DTO).
* Used **Log4j** for logging and debugging.
* Used **bitbucket** as the version control.
* Worked on **SOAP-UI** and **POSTMAN** tool for testing web service by passing request to web service provider.
* Used **DynaTrace** for application monitoring, also closely involved in triaging performance issues in lower environments , providing solutions and also load test strategies.
* Written **JUnit** Test cases for performing unit testing using Mockito.
* Used **Maven** to compile and package the application.
* Used **JBOSS 6.4** application server for deploying the project

**Project 2: Myloans Rewrite and Salesforce for Servicing**

Myloans is the web application which allows user to login, make payments, verify statements. Myloans was using struts and a monolith middleware, with the myloans rewrite the UI was written using angular, and the backend API’s have been designed for microservices. As both Myloans UI and salesforce servicing serves the customers, any application that was using the shared API was also migrated.

***Responsibilities:***

* Involved in various phases of **Software Development Life Cycle (SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
* Defined the use cases to come up with the several microservcies application for the front end myloans, salesforce servicing and servicing IVR.
* Implements experience API’s using **MULE** to convert the response from middleware to the respective applications and handled the security of the API’s and used scatter gather for the better performance of the application.
* Designed all the Rest calls following all the **REST** standards by hosting and consuming services using **JSON** and **XML**.
* Developed application on **Spring Boot** framework by utilizing all its features.
* **Spring-AOP** is used to provide declarative enterprise services such as declarative transaction management.
* Used **Spring-JPA** in mapping the oracle database with the entity classes.
* Configured multiple data sources in a single application by declaring the entity manager and transaction management.
* Designed and Created the DB tables, indexes, functions, procedures and triggers.
* Implemented the **ActiveMQ** service calls to place the messages and listeners from the queues.
* Used the **Spring-Security** for authenticating the calls using **LDAP**.
* Implemented the **Spring-Batch** jobs that run using **TIDAL** application.
* Scheduled few of the webservice calls from **TIDAL** application.
* Developed the **UNIX** shell scripts files for the batch jobs to trigger.
* Continuous interactions and follow ups with several cross functional teams that includes DBA’s, web team, network team and security teams.
* Configured the **Caching** mechanism within the application to avoid multiple DB calls.
* Configured **SWAGGER-UI** for rest-api documentation.
* Used **LogBack** for logging and debugging.
* Used **GIT** as the version control.
* Written **TESTNG** test cases for performing the unit testing using **MOCKITO** framework.
* Analyzed the real time scenarios with the load factor and did set the **JVM** properties.
* Used **JBOSS** **6.4** and **TOMCAT** for deploying the applications.

**Project 3**: **Banking IVR**

Banking IVR is the first banking interactive voice response system which will let customers call in and validate their account information, check their past payments, make payments and stop payments. This system has a middleware called Banking conduit which holds the shared API’s for all the banking line of business applications and also one common way to call the vendor DNA for all the dependent applications.

***Responsibilities:***

* Involved in various phases of **Software Development Life Cycle** (SDLC) of the application like Requirement gathering, Design, Analysis, and Code development.
* Implemented Service Oriented Architecture (SOA) by developing **REST** Web Services using Spring 3.x framework.
* Categorized all the elements and generated the XML, XSD and submitted it to the Meridian Link vendor.
* Worked with UNIX and Server team to create the mounts in the server location for generated files to be placed in.
* Used **Log4j** for logging and debugging.
* Used **CVS** as the version control.
* Worked on **Advanced** **Rest Client** and **SOAP UI** tool for testing web service by passing XML request to web service provider.
* Used **WMountin** tool to access the generated files.
* Written **JUnit** Test cases for performing unit testing using Mockito.
* Used **Maven** automated build scripts to compile and package the application.
* Used **JBOSS 4.2** application server for deploying the project

**Project 4**: **Account Opening (Retail Banking)**

Account Opening of Flagstar Bank is performed by Bankers in Salesforce platform. Designed and Developed many webservices in java applications like conduits using SOA architecture. These conduits acts as a middleware applications between salesforce, internal applications and other vendor applications.

## *Responsibilities:*

* Providing continuous production support, implementing new functionalities, consuming several new vendor services, upgrading the systems, regular maintenance for Retail Banking line of business-like account opening and online banking.
* Determine the technical scope and giving timeline estimates for all retail banking projects.
* Providing the design guidance, technical advice, knowledge transfers, mentoring other developers.
* Closely working with vendors, architecture team, security team, project manager, TCOE team for all the project initiatives.
* For all digital account opening requirements, considering the effective design for implementing any new functionalities and by considering the compatibility and scalability.
* Focus on futuristic design approaches and giving presentations to all the stakeholders.
* Implemented the displaying of account opening disclosure in digital account opening platform(Avoka) by developing the **Angular UI** and consuming Wolterskleuwer services using **Groovy** Language. Also utilized the **AWS S3** for storing the documents and displaying it in UI using the static URL.
* Migrated few of the SOA architecture applications to micro services applications using the **Spring Boot** framework.
* Implemented the changes to support the vendor upgrade projects.
* Constantly working on the changes for the new banking promotional products.
* Exposed the common **REST** webservices for Online Banking Registration to **Salesforce**, **MyFlagstar** and **AVOKA** (Digital Account Opening) by consuming the **Architect** (Online Banking Platform) API’s.
* Implemented **Apache Camel** Routes for creating new flows within the application.
* Migrated few of the webservice calls from being **Asynchronous** to **Synchronous**.
* Performed POC by utilizing the AWS services like **S3, Elastic Cache, RDS, IAM, and EC2**.
* Implemented **APIGEE** by utilizing the concepts of adapter, cache and proxy for the online banking platforms.
* Implemented the Mule Flows between conduits and salesforce by utilizing the **scatter-gather** message processor, salesforce **event listeners**, and several other mule components.
* Implemented queueing mechanism for redundancy.
* Fixed performance issues in application by optimizing and fine tuning the SQL queries and including indexes.
* Handled several system level upgrades like Java upgrade, JBoss and DB migration.
* Worked on migrating the code repositories from CVS to BitBucket by fixing all the version and code conflicts.
* Monitoring the application performance using the DynaTrace and Grafana.
* Performed the complete system analysis and submitted the report to management and support the acquisitions.
* Created the splunk alerts for better application management and used splunk reports for reporting and analyzing the frequency of calls.
* Developed automation scripts using Selenium WebDriver for complete account opening flow which is a complex 7 step process.
* Used Maven build tool to automate the process of generating Dockerfiles, building Docker Images and pushing them to Docker Private Registry.

**Project 5**: **WARLOC**

WARLOC is a browser-based application tool that provides access to the Flagstar’s warehouse lending portfolio of lines of credit data dealing with correspondent lenders. WARLOC is proprietary software build, supported and maintained by Flagstar Bank. Flagstar employees where they create new or maintain the line of credit for correspondents use Warloc. They issue advances on loans and process repayments through WARLOC.

## *Responsibilities:*

* Involved in various phases of **Software Development Life Cycle (SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
* Technical SME for the application.
* Designed use-case, sequence and class Diagram for various process flows and integrations.
* Developed and maintained application using **Struts 1.x** framework.
* Implemented SOAP and REST webservices for exposing and consuming the services both for internal and external applications.
* Used **Hibernate** and **JDBC** connections to fetch the data from the database.
* Developed JSP’s with **Java Server Pages Standard Tag Library** for control of the business processes in the middle-tier and was involved in their integration.
* Implemented Java/J2EE Design patterns like **Singleton**, **Data Access Object** (DAO) and **Data Transfer Object** (DTO).
* Converted all the **UNIX** **Cron** batch jobs to the **Tidal** application and removed the **RMI** dependency for the existing jobs.
* Performed Java upgrade from 1.5 to 1.7 and JBoss upgrade from 4.2 to 6.4.
* Used **Log4j** for logging and debugging.
* Used **CVS** and **GitHub** as the version control.
* Worked on **SOAP-UI** tool for testing web service by passing SOAP request to web service provider.
* Used **LoadUI/SoapUI** for load testing.
* Used **DynaTrace** for monitoring the performance of the application.
* Used **Ant** automated build scripts to compile and packaging the application.
* Used **JBoss** application server for deploying the project.
* Used **Jira** for bug tracking and project management.

**Project 6: 3X**

Servicing Conduit is the middle layer for the applications Myloans, PeopleSoft, Servicing Ivr, Collections Ivr to get the servicing information from LPS (Lending Processing Services). Servicing Conduit provides all the servicing information through REST and SOAP web services to the applications. Flagstar has increased subservicing loans, the load to all the servicing applications will be three times the load of existing loans. For the huge load, the number of webservice calls are reduced to MSP resulting in cost saving that Flagstar pays to MSP.

***Responsibilities:***

* Involved in various phases of **Software Development Life Cycle** (SDLC) of the application like Requirement gathering, Design, Analysis, and Code development.
* Developed application on **Spring 3.x** framework by utilizing its features like Spring Dependency Injection, Spring AOP, Spring Security, Spring Web flow with Spring MVC.
* Used spring’s dependency injection for injecting entity manager and managed beans into spring beans.
* Spring AOP is used to provide declarative enterprise services such as declarative transaction management.
* Worked on Spring Web Flow on Spring MVC for building flows in the application.
* Implemented Service Oriented Architecture (SOA) by developing **SOAP** and **REST** Web Services using Controller’s and Endpoint’s.
* Used **JPA** in mapping the oracle database with the **POJO** classes.
* Implemented Java/J2EE Design patterns like **Singleton**, **Data Access Object** (DAO) and **Data Transfer Object** (DTO).
* Used **Log4j** for logging and debugging.
* Used **CVS** as the version control.
* Worked on **SOAP-UI** and **POSTMAN** tool for testing web service by passing request to web service provider.
* Used **DynaTrace** for application monitoring.
* Written **JUnit** Test cases for performing unit testing using Mockito.
* Used **Maven** to compile and package the application.
* Used **JBOSS 6.4** application server for deploying the project

**Project 7: PLS (Private label service)**

The Private label service was servicing for other services apart from flagstar, this project was more to handle the existing API’s for different services which involves different statefee defined by the federal. This project impacted multiple application to handle customers from different sub servicers

***Responsibilities:***

* Involved in various phases of **Software Development Life Cycle** (SDLC) of the application like Requirement gathering, Design, Analysis, and Code development.
* Implemented Service Oriented Architecture (SOA) by developing **REST** Web Services using Spring 3.x framework.
* Implemented the Spring LDAP for the authentication of the salesforce with the servicing conduit.
* Worked with the Network teams to triage a VPN tunnel connection between the servers.
* Used **Log4j** for logging and debugging.
* Used **CVS** as the version control.
* Worked on **Advanced** **Rest Client** and **SOAP UI** tool for testing web service by passing XML request to web service provider.
* Used **WMountin** tool to access the generated files.
* Written **JUnit** Test cases for performing unit testing using Mockito.
* Used **Maven** automated build scripts to compile and package the application.
* Used **JBOSS 4.2** application server for deploying the project.