**MANIKANTA BANDARU**

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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

* 7 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.
* 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, PitchPoint, ELAN, GFX, HARLAND, EQUIFAX, Wolters Kluwer, Architect, FraudGuard.
* Having good understanding on the FileNet Content Management Tools like P8 and IDM.
* 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

* **Masters in Computer Science** [Aug 2013 - AUG 2014]

University Of Central Missouri (UCM)

* **Bachelor of Technology in Computer Science Engineering** [Sept 2008-May 2012]

Jawaharlal Nehru Technological University of Hyderabad (JNTUH)

SKILLS & EXPERTISE

**Languages**: Java, 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, JSTL, JQuery, Angular 5.

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

**Database**: Oracle, SQL Server.

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

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

**Cloud Technologies:** AWS **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 2014 to present]

**ROLE:** Sr. Application Developer.

**PROJECT 1**:- **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, 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.
* Focus on futuristic design approaches and giving presentations to all the stakeholders.
* 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**.
* 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.

**PROJECT 2: WAREHOUSELOC-SERVICE**

Warehouseloc-Service is the group of backend service applications for warloc application. This applications contains the integrations to internal and external applications.

## *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 Warloc, TPO and Lending applications.
* 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 of 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**:- **PITCHPOINT GATEWAY (MULE)**

PitchPoint is the external vendor application that is been consumed by Flagstar internal applications for vetting of the correspondents, investors, and borrowers bank details. The PitchPoint gateway is a common gateway for all the outbound calls of Flagstar applications to the PitchPoint vendor.

## *Responsibilities:*

* Implemented a common gateway of mule flows that accepts the requests from various internal applications, which gets processed and consume the services of external vendor application called PITCHPOINT.
* Designed Rest API’s using **RAML** and deployed to Mule API Gateway using Mule Anypoint Platform.
* Implemented the Mule Message flows in Anypoint Studio employing Mule Building Blocks such as connectors, filters, transformers.
* Produced and consumed the **ActiveMQ** messages using **JMS connector**.
* Performed all the DB operations using the **Database Connector**.
* Implemented Exceptional Handling, Logging and Auditing functionalities.
* Consumed the common domain and configured the **LDAP** for authorizing.
* Involved in **Mule runtime migration** from 3.7 to 3.9.
* Consumed the **APIKIT CONSOLE** for rest documentation and making calls.

**PROJECT 4**:- **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 5:- 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 6:- Consumer Loan Direct Boarding**

Consumer lending, processing and underwriting personnel utilize the loans PQ system to process loan applications from initial application through the pre-funding process. Currently approved loans are manually boarded to Mortrac for funding and to allow subsequent boarding to Black Knight (MSP) for servicing and DW for reporting. Having the project scoped to decouple consumer loan boarding to MSP and DW from Loantrac as well as the document retention and funding process will help Retail Banking achieve future lending objectives. The servicing conduit must convert the XML to a flat file and write the flat file to ELI inbound folder.

***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 7:- ELAN PRESCREEN ONE**

The prescreen of one web solution is a credit card cross-selling tool designed for financial institutions engaged in selling and servicing financial products. The prescreen of one is being triggered in the account opening process of the salesforce platform. The service of elan prescreen is developed in CRM conduit.

***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.
* Defined the JSON request and response for the salesforce platform, based on the data elements that ELAN needs.
* Implemented the Spring LDAP for the authentication of the salesforce with the CRM conduit.
* Worked with the Network teams to establish a VPN tunnel connection between the CRM servers and ELAN.
* 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.

**CLIENT:** Aditya Birla Group [Jan 2012 to July 2013]

**ROLE:** Jr.Software Engineer

Aditya Birla Group is a major player in the cement industry with about 20% market share of the Indian market and capacity of 31MTpa.i2 SCM solutions are implemented for ABG mainly focus on Marketing and Logistics Departments. After strong implementation of SAP and I2 critical KPI “Delivery Compliance” not enabled and in order to find the Customer service level eye2serve project initiated. The Modules is loaded from Grasim SAP Systems (UTCL and GIL) & i2 (COF and MDM) systems, with the collection of GPS data and legacy system data the customer service level, delivery compliance, Asset utilization & performance computed.

***Responsibilities:***

* Involved in various phases of **Software Development Life Cycle** (SDLC) of the application like Requirement gathering, Design, Analysis, and Code development.
* Development of Action Classes forming the business layer of MVC based architecture using Struts 1.X framework.
* Developed presentation tier by using JSP, HTML, and Java Script.
* Developed code for implementing Hibernate ORM to communicate with the Database by using .hbm mapping files with POJO classes.
* Design and Development of common utility components (java utility classes, Helper classes, etc.).
* Design and Development of HQL & SQL queries that will be used by the java components to retrieve data from database.
* Used **Log4j** for logging and debugging.
* Used **Apache Tomcat** server for deploying the project.
* Responsible for Unit testing and Bug fixing of the system.