# **Manasa**

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## **Professional Summary:**

* **Proficient 8+ years** of experience in all phases of **software development life cycle** (**SDLC**) including system design, development, production support and maintenance of various Web Applications using **Java/J2EE** Technologies.
* Substantial experience in **designing, coding, integration** and testing software implementations using Java/JavaScript involving development of Enterprise wide, Client/Server, Multi-tier, web-based applications.
* Experience on **J2EE** technologies including Core Java, Servlets, **JSP, JDBC, JNDI, JPA, JAX-WS, Struts, EJB**, and spring, Hibernate, **JMS, XML** and **Junit**.
* Involved in developing Web interface using **JSP**, JSP Standard Tag Libraries (**JSTL**) using spring Framework.
* Experienced in a fast-paced **Agile** Development Environment including **Test-Driven Development** (**TDD**) and Scrum. Hands-on experience with Reporting Tool Crystal Reports to create reports in various formats and tuning the performance.
* Vast knowledge of utilizing cloud technologies including Amazon Web Services (**AWS).**
* Involved in Analysis, Design, Development and Testing of object-oriented software and **REST** **based web** applications.
* Good Experience in **WebLogic, SOA, OSB, Oracle HTTP**, Web Gate, OAM server installations for 11g and 12c.
* Experience in Core Java ideas like Collection **Framework, Multi-threading**, Generics, Serialization and Externalization.
* Experience in performing Load Testing using **SOAPUI.**
* Was involved and responsible for managing **NoSQL** Clusters and experiences with other **NoSQL** Databases.
* Hands on Experience in **AWS** Cloud in various **AWS** Services such as RedShift, Cluster, Route53 Domain configuration.
* Operate and automate management of very large distributed On-Perm and Cloud based systems using **CI/CD** pipelines tools and automation.
* Worked on Rest Web services as well as Node Rest framework for backend services, used **Mongo DB** (**NoSQL)** for database services.
* Extensive experience in developing applications using Java and various J2EE technologies including
* Java/J2EE technologies Java, REST, SOAP, JAX-WS, JAX-RS, JDBC, JSP, Servlets, EJB, XML, and JMS.
* Employing Java Object/Relational bridge technologies such as Hibernate**, JPA**, and **spring**.
* Implemented persistence layer using Hibernate and developed the Data Access Layer to retrieve **JSON** documents related to customer.
* Configuring and Networking of Virtual Private Cloud (**VPC**) Written CloudFormation templates and deployed AWS resources using it.
* End-to-end design, setup, integration and maintenance of **CI/CD** pipeline from source-control to production
* Designed and developed Restful service interface using Spring MVC to the underlying customer event API. Involved in building Restful Web services using JAX-RSAPI.
* Experience in developing **User Interface (UI)** Applications and professional web applications using **HTML**, **CSS, Bootstrap, JavaScript, JQuery, AJAX, RWD, JSON, XHTML and XML.**
* Strong experience in developing XML Schemas, **WSDL** documents, **XML** Parsing and Binding for Web Service development.
* Good understanding and exposure to **Unix/Linux** environments and shell scripting.
* Good understanding on latest approaches in **HTML5/CSS3** development, JavaScript Frameworks jQuery.
* Good Hands on Experience with JavaScript, **MVC Framework**, **AngularJS** and knowledge on other frameworks like Backbone.js, **Node**.**js**.
* Experienced in building cross browser compatibility applications using AngularJS and Node.js.
* Implemented and developed the **MVC** Architectural Pattern using **Struts** Framework including **JSP**, **Servlets**, **EJB**, Form Bean and Action classes.
* Developed pages using **Angular**.**JS** directives, expressions, routing capabilities for bookmarking, **filters**, validations and **Angular** **UI** components such as grid, **buttons**, carousels, date pickers, modal dialogs and other input components.
* Extensively worked on core Java concepts for backend coding which involves Collection **API** and multithreads.
* Configured AWS Identity and Access Management groups and users for improved login authentication.
* Extensively worked with **MVC** Architecture using **Apache** **Struts**, **Spring**, **Hibernate**.
* Experience in using Integration tools like **Jenkins**, **Cruise** control.
* Experience in making **SOAP** based **Web** Services using Apache CXF, JAX-WS and RESTful organizations like **JAX**-**RS**.
* Worked with various version control tools like **GIT**, **SVN** and build tools like **Maven**.
* Enough measure of involvement in **J2EE** Testing in creating experiments with **JUnit** for Unit testing, and logging utilizing Log4j.
* Used **Apache POI** to convert **XML** files to Excel files and to read Excel files.
* Very good experience in **OOAD**, **UML**, Rational Rose Methodologies.
* Experience in developing ExtJS components like **Grids**, **Toolbars**, **Panels**, Combo-Box and Button.
* Good Experience in working with the Document Object Model (**DOM**) and **DOM** Functions.
* Experience using all popular text-Editors like Eclipse, Brackets, Sublime Text and Notepad++.
* Expertise in database modeling and development using **SQL, T-SQL** and **PL/SQL** in Oracle and **SQL** Server environments.
* Experience in installing and configuring **MySQL**, **ORACLE** and **MongoDB** servers.
* Experience of working with RDBMS like **Oracle 8i/ 9i/ 11g, 12c, MySQL, SQL** Server and developing Stored Procedures, Triggers, Views, Functions and **SQL** Queries.
* Proficient in programming by using the IDE's such as Eclipse**, My Eclipse, RAD, Net Beans.**
* Hands on experience with **Multi-Threading** and Collections Frameworks.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Java/J2EE Technologies** | Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, JFC/Swing, AWT, Applets, Multi-threading, Java Networking |
| **Programming Languages** | Java JDK1.5/1.6/1.7, C, UNIX Shell SQL, PL/SQL |
| **Application/Web Servers** | Oracle/BEA WebLogic 8.1/9.1/10.3, IBM WebSphere 5.1/6.0/6.1/7.0, JBoss, Tomcat 5.0.28/6.0 |
| **Frameworks** | Struts 2.x/1.x, Spring 3.x, Hibernate 3.x, JSF 1.2/2.0 |
| **IDEs** | Eclipse 3.x, IBM WebSphere Application Developer 5.x, IBM RAD |
| **Web technologies** | JSP, JavaScript, jQuery, AJAX, XML, XSLT, HTML, DHTML, CSS, Backbone JS, React JS, Ext JS, Node JS, Perl |
| **Web Services** | JAX-WS, JAX-RPC, JAX-RS, SOAP, WSDL, UDDI , RESTApi |
| **XML Tools** | JAXB, Apache Axis, Altova, XMLSpy |
| **Methodologies** | Agile, Scrum, RUP, TDD, OOAD, SDLC |
| **Modeling Tools** | UML, Rational Rose, Visio |
| **Testing technologies/tools** | JUnit, JMeter, HTML Unit. |
| **Database Servers** | Oracle 8i/9i/10g, DB2, SQL Server 2000/2005/2008, MySQL,Mongo DB, NoSql, AWS |
| **Version Control** | CVS, SVN, Rational ClearCase, ClearQuest |
| **Build Tools** | ANT, Maven |
| **Operating Systems** | Windows 8/ 7/ XP/ 2000/NT/98/95, Linux, MS-DOS, UNIX |
| **Build Tools** | ANT, Maven |

**PROFESSIONAL EXPERIENCE:**

**CLIENT: Guide One, Des Moines, IA Mar’2017 – Till Date**

**ROLE: Sr. Java/SOA developer**

**Responsibilities:**

* Designed and coded application components in an **Agile**/**TDD** environment utilizing a test-driven development and **SDET** approach and pair-programming.
* Developed the application using spring framework that leverages model view layer architecture, also configured Dependency Injection.
* Used Hibernate **ORM** tools which automate the mapping between **SQL** databases and objects in Java.
* Integrated the application with Spring-**MVC** using **Spring** **Boot**, **Spring** **Dependency** **Injection** (DI), and Spring Annotations.
* Working knowledge on Microsoft Azure Cloud and Cloud-based infrastructure tools and components (AWS)
* Design of **GUI** using Model View Architecture **(STRUTS Frame Work).**
* Each Provision request that comes to RLCM is processed and sent to Match Maker Via RestAPI.
* Integrated **Spring DAO** for data access using Hibernate.
* Created hibernate mapping files to map **POJO** to **DB** tables.
* Involved in the Development of Spring Framework Controllers.
* Focus on continuous integration and deployment(CI/CD), promoting Enterprise Solutions to target environments.
* Design and Implementation of enterprise solution architecture using Oracle Fusion Middleware technology stack Oracle SOA Suite, BPM, BPEL, Mediator, LDAP and DB Adapters.
* Developing application using spring core module and **POJO's** using **Eclipse** and worked on Messaging service.
* Used **SOAP** based web services from scratch to develop interfaces to integrate between front end systems and back end systems.
* Unit testing of the BPM Workflow using SOAP-UI.
* Implemented **RESTful** web services to retrieve data from client side and made RESTAPI calls from AngularJS and parsed the data to project client and handled the security and Authorization using Spring Security &OAuth2.
* Strong conceptual knowledge of Service Oriented Architecture (SOA) Principles.
* Designing and implementing CI (Continuous Integration) system: configuring Jenkins servers, Jenkins nodes, creating required scripts (Perl & Python), and creating/configuring VMs (Windows/Linux).
* Designed and developed the **XSD** for **WSDL**.
* Deployed and Monitored Micro Services Using Pivotal Cloud Foundry, also Managed Domains and Routes with the Cloud Foundry.
* Refactored, re-architected, and enhanced an existing AngularJS application to follow strict **MVVM/MVC** patterns for improved source code maintenance.
* Experienced in front End technologies **HTML5, CSS3**, **JavaScript, Bootstrap, jQuery, Angular JS, ReactJS**, Backbone.js, **Node JS**, Tag Libraries, **AJAX** and Ext Js used for Responsive web page designing.
* Used Spring **MVC** framework for developing web application.
* Implemented the debugging functionality in an application by using Apache **LOG4J** framework.
* Currently working on fitness tool which aids in Test Driven Development.
* Used **JMS** for the asynchronous exchange of critical business data and events among **J2EE** components and legacy system.
* Developed **REST API's** using Spring **MVC** and **Spring** **boot**, hosted micro services on **AWS**, used elasticbenstalk to setup application and configured environments.
* Orchestrate software updates and verify functionality Changing the AWS infrastructure Elastic Beanstalk to Docker with Kubernetes.
* Responsible for back end development as well as Rails with Json and Rest API on the front end.
* After generating **JASON**-**LD** data the data again posted into apache **Kafka**.
* Designed and developed the application using Java Server Faces (**JSF**) framework.
* Developed User Interface in **JSP**, JavaScript and **HTML** with Backbone JS **Framework**.
* Designed and developed **REST**-ful style Web Service layer and **WSLD**.
* Implemented a generic interface to Hibernate criteria **API** for **UI** search functionality.
* Developed SQL, PL/SQL, stored procedures along with Shell Scripting- database application scripts.
* Created Oracle store procedures for handling and processing complex data-based logics.
* Experienced in working with multiple databases like Oracle, SQL Server, **MySQL**, **DB2**, **NO-SQL** **DB**.
* Implemented a Continuous Delivery pipeline with **Docker**, **Jenkins**, **GitHub**, and **AWS**.
* Worked on migration Microsoft azure service to **AWS** service for a project.
* Deployment of web, enterprise java components, messaging components and multi-threading.
* Used the **GWT** framework to design the **UI** components as **Grid** and **widgets**.
* Worked on Mule **ESB** Integration to integrate external components like **JMS** Queue and other applications.
* Developed XML Schemas - **XSD**, **DTD** for the validation of **XML** documents, also used Subversion.
* **XML (SAX and DOM API, JDOM), XSLT** was used for informative view.
* Used XML web services using **SOAP** to transfer the amount to transfer application that is Used **SWING** for **GUI** based coding.

**Environment:** Java8/JDK, J2EE, JSP, PL/SQL, Spring boot, Cassandra, EJB , Azure, Mule ESB, MAVEN, JMS, JNDI, Oracle12c, XML, DOM, SOAP, Junit, Linux, JSF, Spring Boot, Micro Services, AWS, WebSphere , SVN, apache Kafka, GWT, Hibernate ,NoSql, SOA, Jenkins , JDBC, JESS, REST-full Web service, Docker , WebLogic , Angular 4/2, JBoss, SOA, Tomcat.

**CLIENT: Citizens Bank, Providence, RI Jan’ 2016 – Feb’ 2017**

**ROLE: Full Stack Developer**

**Responsibilities:**

* Worked with Spring **MVC** Framework to Design and Develop the Application.
* Developed Server-side components with Servlets, **JSPs**.
* Implemented Data validations for critical functionalities using **Angular2** and **JavaScript**.
* Responsible for pagination for the application by integrating spring framework with Angular JS and jQuery for creating behavioral aspects of the web page.
* Developed User Interface by using **Angular2**, **HTML5**, **Spring** Web Flow, **XHTML**, **DHTML** and **CSS3**.
* Functionalities include writing code in **HTML**, **CSS**, **JavaScript**, **JQuery**, **Ajax**, **JSON**, **Angular JS**, **Spring** **Boot** and Bootstrap with **MySQL** database as the backend.
* Involved in designing a pattern for mainframe integration with end applications using OSB and SOA Suite 11g features.
* Used various Core Java concepts such as **Multi**-**Threading**, Exception Handling, Collection **APIs** to implement various features and enhancements.
* Setting up **AWS** Oracle **RDS** databases for new project, use data pump to migrate data to Relational Database Services (**RDS**). Ran docker compatibility testing on various **Linux** **distros**, **Amazon** (**AWS**).
* Used Hibernate/**JPA** to interact with Oracle database. Worked with Hibernate **API** for **CRUD** operations on the tables.
* Developed CI/CD solutions for running an AngularJS application from a Tomcat container using Jenkins.
* Created RFP (request for proposal) micro services to provide Restful API using Spring boot with MVC and to build **micro** **services** for delivery of software Updates.
* Setting up AWS Oracle RDS databases for new project, use data pump to migrate data to Relational Database Services (RDS). Ran docker compatibility testing on various Linux distros, Amazon(AWS).
* Used **Spring Boot** for the application development.
* Integrated the application with **Spring-MVC** using **Spring Boot**, **Spring Dependency Injection (DI)**, and Spring Annotations.
* Experience in developing OSB/BPEL artifacts using Oracle SOA Suite.
* Experience in CI/CD pipelines, strong background in Build and Release Management and Cloud Implementation all within that suites the needs of an environment under DevOps Culture.
* Using **Docker**, **Jenkins**, **VMWare**, **Ansible** and **GitLab**.
* Involved in migration of Critical modules of Oracle SOA 10g to Oracle SOA 11g.
* Involved in coding, maintaining, and administering **Servlets**, and **JSP**, **JSF** components to be deployed on a Web Logic Application server and **Apache Tomcat 6.0** application servers.
* Used Spring Core Annotations for Spring Dependency Injection (**DI**) and Spring **MVC** for **REST** **API’S** and **Spring Boot** for micro-services.
* Designed and implemented a stream filtering system on top of **Apache Kafka** to reduce stream size.
* Created Typescript reusable components and services to consume **REST API's** using Component-based architecture and reusable templates using **Angular2** directives and worked with **NPM** package manager tools **(Node JS).**
* Used Web Sphere Application for building, testing and deploying application locally.
* Designed and developed a micro-service using **Spring Boot** and **Spring Data** for Spotlight to access customer data stored in **Amazon** **Redshift**.
* Deployed **J2EE** applications in WebSphere application server by building and deploying ear file using **ANT** script.
* Involved in the migration of Xfinity Services Platform (**XSP**) from legacy Java services into Micro services architecture, decomposing monolith applications in a set of discrete services.
* Configured **IBM** WebSphere portal server to manage portal pages, portlets and to apply security constraints for the portal pages.
* Strong Experience in development & tuning of packages, stored procedures and triggers using **PL/SQL.**
* Used **Spring Boot** framework for building cloud **Micro Services** and to develop Spring based application radically faster with very less configuration.
* Have worked on **Oracle10g** database for storing and retrieving the application data.
* Used **Log4j** to print the logging, debugging, warning, info on the server console.
* Implemented Restful and **SOAP** based web services layer to interface with **ORACLE** and **DB2** database using **Jersey-ws, JAX-WS, JAX-RS** and **JAXRPC API's.**
* Configured texml files for Spring Security injection to ensure the back-end security by discriminating the role of users as well as access authority for the **URIs** and Server-side assets.
* Written test cases in **JUnit** for unit testing of classes.
* Large Object Tuning (**JVM Tuning**) to reduce risk with heap fragmentation, consumption, high memory utilization and improve the stability. Profiler is used for **JVM tuning**. Used Apache JMeter for performance tuning and profiling testing.
* IDE used for development is **IBM** Rational Application Developer (**RAD**) and **Eclipse**.
* Used **Jira** for bug and issue tracking. For Logging, we used **Log4j** Mechanism.

**Environment:** Java/J2EE 1.6, Spring 3.0, Hibernate, Spring Boot, Web Sphere portal 5.1, WebLogic Application Server 10g, Apache Tomcat 6.0, Angular2, Linux, Micro Services, Spring Boot, JSP, RESTFUL Web Services, SQL, Aws,

SOA, ORACLE, PL/SQL, MYSQL, HTML, CSS, JMS, Java Script, jQuery, Svn, XML, XSLT, AJAX, Maven, Agile, Jenkins, JavaScript, AngularJS, JUnit 3.8, Log4j, JSP, JSON.

**CLIENT: Bed Bath & Beyond, NJ** **Jan’2014 – DEC ‘2015**

**ROLE: Java Developer**

**Responsibilities:**

* Worked on **Agile** **Scrum** methodology and involved in stand-up meetings to monitor the progress.
* Involved in Requirements gathering, analysis, design and documentation of the application.
* Implemented **Java** **EE** components using Spring **MVC**, **Spring** **IOC**, **spring** transactions and **spring** security modules.
* Developed Microservices using Java **Spring** **Boot**, **Hibernate**, **Restful** services with good quality of code
* Configured spring Integration **xmls** to route request to respective **databases**.
* Developed applications using **Spring Boot** and **Micro services** Architecture.
* Building application with **JS** **frameworks** such as **React.JS, Angular.js.**
* Used MongoDB in conjunction with the **AWS** S3 for storing the metadata information on MongoDB collections.
* Developed CI/CD system for deploying back end infrastructure as well as front end application
* Developing large scale APIs.
* Developed Web services to process SOAP, XML and JSON Message formats over SOAP and HTTP nodes.
* Developed **Graphical** **User** **Interfaces** by using **JSP**, **HTML**, **CSS**, and **JavaScript**.
* Responsible for validation of Client Interface using **JavaScript** and **jQuery**.
* Used popular **Node**.**js** frameworks like Express and Rectify to mock a **Restful** **API**.
* Developing the Algorithms depending on the required sources of the project.
* Used Spring **ORM** module to integrate with **Hibernate**.
* Experience in developing OSB/BPEL artifacts using Oracle SOA Suite
* Worked on **Docker** **container** to create **Docker** **images** for different environments.
* Worked on **Java** **Script** libraries like **jQuery** and **JSON**.
* Migrating the legacy monolithic struts application to Micro services platform.
* Created and executed unit test programs using **Spring** **Boot** test platform which included frameworks such as **Junit**, **Mockito**, Spring Test, Ham crest, and Assert.
* Implemented **Oauth2** solutions using **Spring** **Cloud**, User accounts and **API** keys.
* Developed **Kafka** producer and consumer components for real time data processing.
* Developed and continuously deployed **java**-**based** applications using **CICD** Pipeline techniques.
* Experience writing **angular.js** code for developing Single page applications (**SPA**), used several in built language core directives, expressions and modules.
* Having experience in various **RDBMS** databases like **Oracle**, **SQL** **server**, **MySQL**. And **NoSQL** database like **MongoDB**.
* Possess strong working knowledge of Database Programming using **SQL**, **PL**/**SQL**, Triggers and Stored Procedures.
* Developed the Dynamic **UI** form component using **Angular4** features to generate the Reactive **UI** forms easily and quickly based on the **UI** Meta data stored in **MySQL** **database**.
* Created Mongo **DB**/**NoSQL** collections. Developed Server-side automation using **NodeJS** scripting and connecting different types of SQL and **NoSQL** stores.
* Created new customized issue type in **JIRA** for tracking custom requests in **JIRA**.
* Used **GIT** as version control systems to maintain the source code.
* Used **Log4J** to capture the logging information and **JUnit** to test the application classes.

**Environment:** Java, JSP, Java Script, Core Java, SOA, jQuery, Spring MVC Framework, Spring Boot, Elastic search, Log4j, JUnit, CICD, JBoss, SVN, Docker, Microservices, Azure, Angular Js , Elastic Search, Maven, Kafka, GIT, JIRA, ESB, React.JS, Web Logic, SVN, Web Services, WSDL, SQL, PL/SQL, SQL Server Management Studio, Oracle.

**CLIENT: United Health Group, Bengaluru, India Jan’2012 – Aug’2013**

**ROLE: Java Developer**

**Responsibilities:**

* Involved in Technical software and application design, Collaborating and consulting with business analysts.
* Developed web application using **J2EE**, **Spring**, **JPA**, Web Services and **Oracle** **Database**.
* Implemented spring transaction management for **database** transactions.
* Worked on enhancements with the existing application which was implemented using **MVC** **paradigm**, implemented by Spring **Framework**.
* Worked with **Spring** annotations like Request **Mapping**, Auto-wired, Qualifier, and Primary etc.
* Worked with **Ajax** and **jQuery** to meet the business requirements across the application.
* Designed application interfaces using **J2EE**, **XML**/**SAOP**, **WSDL**, **Web** **Services** and **Servlet**.
* Designed and developed user interfaces using **JSP**, **Java** **script**, **XML**, **XSL** and **HTML**.
* Used Subversion for Versioning and concurrent access to the project files.
* Implemented Data Access Objects (**DAO**) to access the Oracle database using Spring **DAO**.
* Implemented web services using Spring-Rest and developed delegated services to access other web services.
* Created and tested **Mockito** test cases for Unit testing.
* Involved in writing **SQL** queries as **Creating** & **Modifying** Stored Procedures, Views, Functions, **Tables**, and Indexes.
* Used **Maven** as a build tool and **Tomcat** **webserver** for deploying the application.
* Used **log4j** to capture the log that includes runtime exceptions and debug information.
* Written **SQL** queries for Performing **CRUD** Operations using **JDBC**.
* Designed Screens using **HTML**, **CSS5**, **JavaScript** and **images**.
* Administering the **SQL** Server by creating user logins with appropriate roles, dropping and locking the logins, monitoring the user accounts, creation of groups, granting the privileges to users and groups.
* Involved in creating **Unit** **Test** plans and executing the same.
* Worked on PL/SQL packages which will be invoked from SOA layer to insert the data into SLA tables
* Detail-oriented team player with Great analytical and demonstrable communication skills.
* Ability to work under minimal supervision and interested in learning new technologies.
* Reviewing Low level design, code, **unit test** documents produced by team members.
* Participated in daily **SCRUM** meetings and give the daily status report.
* Provided feedback and technical guidance to Project Managers on issues of critical importance to achieving business objectives.

**Environment:** Spring MVC, Hibernate, C++, Java, JSP,AWS, HTML, SOA, SVN, CSS, Java Script, Ajax, Oracle, Xml, SVN, JIRA, Swings, Tomcat Server, Maven, Restful API, Oracle 11g, SOAP, WSDL, JDBC, DAO, JDBC.

**CLIENT: Axis Bank, Hyderabad, India Aug’2009 – Dec’2011**

**ROLE: Jr. Java Developer**

**Responsibilities:**

* Involved in the discussions with business users, testing team to finalize the design documents and story point's allocation for user stories.
* Followed **Scrum** **Agile** methodology for iterative development of the application.
* Used **core** **Java** to build new functionality based on the requirements.
* Involved in **core** **java** concepts - Interfaces, **Collections**, **Multithreading**, **Serialization** and **java** features etc.
* Developed **JavaScript** and **jQuery** functions for all **Client**-**Side** Validations.
* Designed & Developed User Interfaces using **Ext JS** **UI** **Framework**, **HTML5**, **CSS3**, **JSP**, **Struts**.
* Used **ANTLR** recognition tool to find the relation between the dependent controllers, Objects, workflows and triggers across various Org.
* Good Experience in **SOA** engineering and Microservices Architecture utilizing **REST** and **SOAP** **Web** **Services**.
* Worked with **SQL**, Stored procedures, **Triggers**, **PL/SQL** programming and **JDBC**.
* Written **SQL** Queries to interact with **Oracle database**.
* Web application development for back end using **Angular** **JS** and **Backbone** **JS**.
* Used **XML** applications to create **XML** strings send and receive data from **Mainframe** Martens.
* Generated the Model part of **MVC** with spring and Hibernate Framework.
* Extensive experience in development and implementation of **ORM** framework like **Hibernate** integration with **Struts** and **spring**.
* Used String Template for code generation since the possibility of duplicate code for primitive collections is high.

**Environment:** Java (JDK 1.7), J2EE, JPA, spring 4.0, MVC, Eclipse, JUnit, JSP, XML, String Template, Web Services (SOAP, REST), Web Sphere as application server, SQL, PL/SQL, HTML5, CSS3, JSP, Structs, jQuery.