

Professional Summary:

- **7+ Years** of strong software experience in design, development and deployment of web-based and Client-Server business applications using **OOP, Java/J2EE technologies** in various domains like Finance/Health/Commerce/Telecom/Insurance.
- Experience with **Angular JS, JQuery, JavaScript, VBScript, Perl, AJAX, Adobe Flex, ActionScript, JSON, HTML, DHTML, CSS, Tiles, Tag Libraries.**
- Expertise in client scripting language and server scripting languages like **JavaScript, JQuery, JSON, Bootstrap, Node.js, AngularJS, Backbone.js.**
- Experience in developing client-side, server-side/middle-tier components applying Java/J2EE design patterns and frameworks: **Servlets, JSF, Struts, Spring, Web Services, EJB, JMS, MQ Services, Hibernate, iBatis, JDBC, JPA, Log4j, Portals, GWT, JSP, Custom Tag Library, POJO's, JSTL, AJAX, JSON, JavaScript, XML, UML, Log4J and Junit.**
- Proficient in applying design patterns like **MVC, Singleton, Session Facade, Factory, Abstract Factory, Service Locator, Visitor, Observer, Decorator, Front Controller, Data Access Object.**
- Proficient in implementation of frameworks like **Struts, Spring, JSF, AJAX frameworks (Rich Faces, My Faces)** and **ORM** frameworks like **Hibernate.**
- Transaction implementation (CMP, BMP, Message-Driven Beans), **JMS, Struts, Spring, Swing, Hibernate, Java Beans, JDBC, XML, Web Services, JNDI, Multithreading etc.**
- Extensive experience in designing **MongoDB** multi-shared cluster and monitoring with MMS.
- Experienced in using **PERL** to read and write data from/to **Excel, Sql Server** and **MySQL.**
- Experience in developing cross platform server side applications using **Node.jsBackBone.js** and **Angular.js** to achieve scalability in real-time web applications.
- Automate report generation in **MongoDB** using **JavaScript, shell scripting, java.**
- Experience in Web Service Technologies: **SOAP, WSDL, UDDI, Apache Axis, CXF, IBM JAX-WS.**
- Experience in architecting and implementing Enterprise Application Integration (EAI) projects with Service Oriented Architecture (SOA), **Web Services Integrations, BPM, BPEL** and **ESB** using **WebSphere Process Server, ESB, WebSphere Integration Developer, Data Power** and **WSRR.**
- Expertise in **XML** technologies -**XSL, XSLT, XML schemas, XPath, XForms, XSL-FO** and parsers like **SAX, DOM.**
- Expertise in developing **SOA** (Service Oriented Architecture), **REST** and **J2EE Web Services** based on **SOAP, WSDL, UDDI, JAX-WS, JAXB, JAX-RPC** using tools like **Apache Axis.**
- Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from SQL relational databases.
- Proven experience with Application Servers like **IBMWebSphere8.x/7.x/6.x/5.x/, Oracle/BEA WebLogic 10.x/9.x/8.x/7.x/6.x, JBoss** and **Tomcat 8.x/7.x/6.x/5.x/4.x/3.x**
- Experience in writing **Queries, Stored Procedures, Triggers, Cursors, Functions and Packages** using **TOAD.**
- Experience with major relational databases – **Oracle 8i/9i/10g/11g, SQL Server 2000/2005/2008, DB2, My SQL.**
- Extensive development experience in different IDE's like **Eclipse 3.x, Aptana Studio, Jbuilder 9.x/8.x, WSAD 5.x, IBM RAD** and **AltovaXMLSpy.**
- Experienced in Implementing the application's using **J2EE** design patterns like **Singleton, DAO (Data Access Object), RDBMS.**
- Expertise in design with Use Case, Sequence diagrams, Activity diagrams, Class diagrams with exposure to **UML**, tools like **Rational Rose** and use of Rational Unified Process (**RUP**).
- Excellent experience in Object Oriented Analysis and Design (OOAD), Development, Implementation and Testing of various software applications using **Java, J2EE.**
- Expertise in the implementation of Core concepts of **Java, J2EE Technologies: JSP, Servlets, JSF, JSTL, EJB**
- Experience with creating and workflows and Mappings, running jobs in **Informatica 9.5/ETL.**
- Knowledge on **Grid Controls, Pie Charts and other Swing Components.**
- Experience in software configuration management using **CVS, SVN** and **IBM Clear Case.**
- Hands on experience with build tools like **ANT, Maven** and logging tools like **Log4J.**

- Expertise in testing with **Junit** using tools like **JMeter**.
- Experience in **Agile** software development process, **Test Driven Development** and **Scrum**.
- **Production Support**-Provided development (quick fixes) and technical support for complex/ critical applications. Coordinated with other teams to resolve end-user issues promptly.

Skills

Java/J2EE Technologies	Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, JFC/Swing, AWT, Applets, Multi-threading, Java Networking
Programming Languages	Java JDK1.4/1.5/1.6, C++, C, SQL, PL/SQL
Application/Web Servers:	Oracle/BEA Weblogic 8.1/9.1, IBM Websphere 5.1/6.0/6.1/7.0, JBoss, Tomcat 5.0.28/6.0,Bug tracking, Jenkins.
Frameworks	Struts 2.x/1.x, Spring 3.x/ 2.x, Hibernate 3.x, JSF 1.2/2.0,iBatis,Flex
UI Frameworks	JQuery, AngularJS, Bootstrap.
IDEs	Eclipse 3.x, IBM WSAD, IBM RAD 7.x/6/x, IntelliJ, Dream viewer
Web technologies	JSP,JavaScript,Json,jQuery,AJAX,XML,XSLT, HTML/XHTML/DHTML/HTML5, CSS/CSS3, Flash, ActionScript 3.0
Design Tools	Adobe PhotoShop, Adobe After Effect,Dreamweaver
Web Services	JAX-WS, JAX-RPC, JAX-RS, SOAP, WSDL, UDDI, REST,SOAP UI
XML Tools	JAXB, Apache Axis, AltovaXMLSpy
Methodologies	Agile, Scrum, RUP, TDD, OOAD, SDLC
Modeling Tools	UML, Rational Rose, Visio
Testing technologies/tools	JUnit, JMeter, HtmlUnit
Database Servers	Oracle 8i/9i/10g/11G, DB2, SQL Server 2000/2005/2008, MySQL
Version Control	CVS,SVN, Rational clearcase, git
Build Tools	ANT, Maven
Metadata / Reporting Tools	Jakarta POI-HSSF
Platforms	Windows 2000/98/95/NT4.0, UNIX, Windows 7

Professional Summary

Client: T-Mobile, Concord, CA

Feb'17- Till Date

Role: Sr. Full Stack Java Developer

Project Description: T-Mobile Inc. is a telecommunication company which provides best network for the people to connect with their friends, relatives and other people.

Responsibilities: Designed the Python web application for reading the xml files and displayed the data on the web browser in the form of charts using highcharts.js

- Developed a web application for plotting the sites on the maps with the help of the lat long points by using the leaflet.js.

- Developed a venue Dash board for presenting the data from the back end from the Sql Server.
- Designed and built internal microwave application for the communication between the employees.
- Developed an application using Java, JSP, Servlets, JDBC, Spring Framework, Web Services (REST).
- Experience in deploying applications on IIS and on application servers like Apache Tomcat.
- Experience in working Agile / scrum project methodology.
- Brief experience on implementing the **AngularJS** in creating animations based on CSS classes for a new requirement surfaced for the client.
- Created Typescript reusable components and services to consume REST API's using Component based architecture provided by Angular 2.
- Implemented UI pages with JSP, HTML, CSS using JavaScript and jQuery with JavaScript libraries like Node.js, Handlebar.js, and Moment.js etc.
- Created custom directives in Angular 2 for reusable components.
- Database modeling and design. Involved in developing and implementation of the web application using **ruby on rails**.
- Architected customer-facing and administration web applications in **ruby on rails** utilizing test-driven development with Rspec 3.1 and Capybara.
- Experience in deploying applications on IIS and on application servers like Apache Tomcat.
- Attended every day Scrum meetings to provide current project status demonstrations in every two weeks, thus implementing Agile Methodology (Scrum) with Test Driven Development
- Designed and developed business components using Spring Boot, Spring Dependency Injection (Core), Spring AOP, Eh Cache Framework and Spring Annotations.
- Worked on development of Hibernate, including mapping files, configuration file and classes to interact with the database.
- Writing stored procedures in MySQL database and scheduling the jobs using SQL Server agent to generate daily reports on to a shared folder.
- Used Collections and multi threading concepts for creating the Batch jobs.
- Used the node.js, Require.js and backbone.js MVC Frameworks in the development of the web applications.
- Worked with REST & SOAP using XSLT & XML.
- Deployed the Python Application using FlaskApp on IIS server.
- Involved in writing application level code to interact with APIs, Web Services using AJAX, JSON, XML, and JQuery.

Environment: Java, J2EE, JDK 1.7/1.8, RCP, JBOSS, AWS SDK, Ext JS, Git, Swing, JFC, Perl 5.6, Spring 4.x, AWS SNS/SQS, hibernate4.x, Core Java, SOAP/Rest, Web Services, Python 2.7, JavaScript, UML, Web Services, HTML5,CSS, SASS, RAD 7, WAS 8 WSDL, SDK's, JIRA 5.x, UNIX, Ruby1.9.3,NOSQL(MongoDB), Angular JS, Angular 2, NodeJs , ReactJS , AJAX, Apache JMeter, JQuery, JUnit, Maven, Oracle 10g,JavaScript, ASP.NET, Leaflet.js, Google Maps API

Client: High Mark, Pittsburgh, PA

Sep'14-Feb'17

Role: Java Web Developer

Project Description: HM Health Solutions Inc. is a business unit of the Highmark Health enterprise which provides a comprehensive and integrated suite of solutions to optimize payer and provider systems for health insurance plans' core functions such as benefit design, member enrollment, claims processing and customer service. Capabilities include: Enterprise Application Solutions, Business Process Management Solutions, Data Hosting Solutions, Infrastructure Management Solutions, and Print Management Solutions. Through an aligned independent relationship model, HM Health Solutions delivers significant value for its partners, including the delivery of increased speed-to-market capabilities, cutting edge enhancements and lower operational costs to help offset the ever-increasing pressures and challenges of today's health insurance industry.

Responsibilities:

- Defined and constructed layers, server-side objects and client-side interfaces based on **J2EE** design patterns, Developed and implemented **Swing, spring and J2EE based MVC (Model-View-Controller) framework for the application.**
- Designing and implementing the User Interface using **OO JavaScript, Ember JS, HTML, CSS/CSS3, SASS and AJAX.**
- Designed Prototype and project layout skeletons using **ReactJS, JQuery and CSS/LESS and HTML5.**
- Experienced in developing web-based applications using **Java, XML, CSS, HTML, DHTML and JavaScript.**
- Involved in designing and developed presentation layer using **JSF, Ajax, and JQuery and third party libraries.**
- Implemented the associated business **modules integration** using **spring**, and **Hibernate data mapping.**
- Worked on writing **Perl** scripts covering data feed handling, implementing business logic, communicating with web-services through **SOAP Lite** module and **WSDL.**
- Developed classes using **core java** (multithreading, concurrency, memory management) and some **spring** IOC.
- Used **spring dependency injection, annotations and Spring MVC components** to implement business layer and navigation part of application.
- Experience in reading and writing xml reports with **Perl XML modules.**
- **Struts Tag Libraries and Struts Tiles** Framework were used in addition to **JSP, HTML5, AJAX and CSS** in developing the presentation layer.
- Utilized **AWS Lambda** platform to upload data into **AWS S3** buckets and to trigger other Lambda functions.
- Used **PERL** to compare multiple files, finding differences between those files and translating data in the files prior to output.
- Developed **JSPs** to dynamically generate **HTML5** and display the data to the client side. Java Mail API was used to notify the user of the status and completion of their project.
- Have used **AJAX** to retrieve data from server synchronously in the background without interfering with the display and existing page in an interactive way.
- Developed **several REST web services** which produces **both XML and JSON** to perform tasks, leveraged by both web and mobile applications.
- Created database objects like **Stored Procedures, Tables, Views, Sequences, Cursors, Packages and Triggers.**
- **Restful** web services using Jersey for JAX-RS implementation.
- Worked on **Rest Web services** as well as **Node Rest framework** for backend services, used **Mongo DB (NoSQL)** for database services.
- Used groovy and spring boot to collecting the data from users and packaged the data as json distributed to 43 applications
- Implemented grails Spock Test cases for all existing controllers, Services and Domain classes
- Implemented grails plugin for Domain objects to use in multiple projects.
- Implemented multithreaded Java/Groovy/grails/MySQL Atlas ad servers as scalable solution.
- Used various **jQuery** and **Bootstrap** plug-in like **date picker, Bootstrap** selectors.
- Exposed and consumed **SOAP based Web Services** to communicate between systems.
- GUI design and development using **Java Swing, JFC** Used for open source web testing.
- Heavily used **SOAP UI** Pro version for testing the Web Services.
- Developed several **SOAP based JAX-WS Web Service** interfaces for integrating multiple systems, code re-usability.
- **JBoss** Application server implementation, support, workload management and **performance tuning** including Web server setup configuration with **JBoss App Server.**
- Developed web application and Implemented user interface using **Ruby, CSS, HTML5, JavaScript, and JQuery.**
- Wrote **SQL queries, stored procedures** and enhanced performance by running explain plans.
- Expertise in using Design patterns and object oriented methodologies to design software for mobile **phones (mobile application).**
- Used **Java Messaging Services (JMS)** for reliable and asynchronous exchange of important information such as payment status report.
- Deployed Application instance on **JBoss** and **WebLogic** Server.
- Developed the Web application using **Spring MVC, Ext-JS, Html, JSP and JavaScript.**
- Used **multithreading** in programming to improve overall performance.
- Developed various helper classes needed using **multi-threading.**
- Created and configured new **JIRA** projects and worked with departments to maintain existing **JIRA** projects.
- Developed the data access classes using **JDBC** and **SQL** queries

- Used **log4j** for logging and **SVN** for version control.
- Brief experience on implementing the **AngularJS** in creating animations based on CSS classes for a new requirement surfaced for the client.
- Worked on Angular 2 concepts such as two-way data binding, ng-if and ng-For structural directives, property binding, services, dependency injection, routing.
- Implemented Angular 2 services to connect the web application to back-end APIs to POST/GET the data used in the application.
- Created and implemented demo versions of each paid application.
- Actively involved in using **MVC**, **HTML5** to enable client side data to meet specific criteria by applying various validation variables and used the **BackboneJS** validation CSS classes to provide visual feedback on validation.
- Used **JavaScript**, **jQuery** for user interactions in pages. Creating a responsive web application integrating Twitter Bootstrap with **Angular JS** and media queries.
- Developed the application in **python** language for multiple platforms.
- Used automated test cases using **Python 2.7** in open source framework **Django 1.2**.
- Used XStream API to transfer data back and forth between **Spring MVC** and **Ext JS**.
- Custom **Node.js** proxy used to simulate API responses before client implementation was complete, and to proxy requests to finished client APIs, handling authentication, custom headers, virtual application root, etc.
- Developed Unit test cases using **JUnit**, **Mockito** and **Easy mock**.
- Developed **Maven scripts** and developed builds using **Maven** and continuous integration servers like **Jenkins**.
- Consumed **Web Services** for getting the credit card information from third party application.
- Developed, Tested and Debugged the **Java**, **JSP** and **EJB** components using **Eclipse RCP**.
- Written highly referenced blog posts on **Error Handling in Scala** and **Problems Scala Fixes**.
- Oversaw all aspects of testing **JUnit**, **FIT**, and **SIT**, **End to End**, **Regression**, User acceptance and Performance.
- Used **Git** as Version Control System for the application.
- Use of **data structures and algorithms** for time and memory complexity reduction
- Used **JMeter** to test performance of SOAP protocol.
- Experienced in Configuration, Implementation, Administration and Troubleshooting issues with Network, related to Routing, IP addressing, TCP/IP, SMTP, SNMP, FTP.
- Developed REST APIs using **Java**, Play framework and **Akka**.
- Involved in development of an automation tool, in Java and Scala on **Akka** Framework.
- Configured the Web sphere application server to connect with Oracle Server in the back end by creating JDBC data source and configured MQ Series and **JMS Queues** with IBM **RAD** and **WAS** to create new connection factories and queues.
- Used to test performance both on static and dynamic resources using **J-Meter**.
- Ensured **Agile**, **JDE & Oracle Databases** are in sync. Create & distribute weekly Reports and followed up on Change Activity; managed released documents and maintain server database.

Environment: Java, J2EE, JDK 1.7/1.8, RCP, JBOSS, AWS SDK, Ext JS, Git, Swing, JFC, Perl 5.6, Spring 4.x, AWS SNS/SQS, hibernate4.x, Core Java, SOAP/Rest, Web Services, Python 2.7, JavaScript, UML, Web Services, HTML5, CSS, SASS, RAD 7, WAS 8 WSDL, SDK's, JIRA 5.x/6.x, JAXB, Linux, JAX-WS, JAX RPC, JMS, JSF, UNIX, Ruby1.9.3, AKKA 2.3.9, NOSQL(MongoDB), Angular JS, Node.js, ReactJS, AJAX, Apache JMeter, JQuery, JUnit, Maven, Oracle 10g.

Client: Deutsche Bank, New York, NY

Jun'12-Aug'14

Role: Sr. Full Stack Java Web Developer

Description: The application is based on the MVC architecture. My Access checking module will be displayed in Accounts Overview. Users of My Access can find additional information like plans accepted by each doctor, medical schools attended, board certification status, languages spoken, office locations, handicap access, maps and driving directions, and much more.

Responsibilities:

- Used **Collection Framework and Multithreading** for performing cache Operation.
- Developed, and debugged the **servlets and EJB** with **WebSphere Application server**.
- Developed the middle tier using **EJBs, Java Servlets**.
- Developed **session, entity beans and message driven beans**.
- Designed and developed the UI using **Struts view component, JSP, HTML, CSS** and **JavaScript, AJAX, JSON**.
- Designed and developed web pages using with **HTML5, DHTML, XHTML, CSS3, Ajax, JSP** and **JQuery** based on the **W3C standards and Web 2.0**.
- Achieved role control functionality mainly by retrieving **JSON** data from **AJAX** and combining the retrieved data with **jQuery** to manipulate nodes in DOM tree.
- Utilized a combination of regular expression and **jQuery** Validation Plugin to conduct input check.
- While in the newer sub project, conducted validation in **AngularJS** way.
- Designed the data flow for the client-side screens and the object interaction layer for the server side components using **Rational Rose**.
- Involved in Use Case Diagrams, Class Diagrams and Sequence diagrams using **Rational Rose**.
- **MQ** was used to provide a single unifying transport that reduces cost and maintenance efforts, including support for **HTTP, REST and JMS**.
- Developed reports in an excel format using **POI-HSSF API**.
- Used **XML/XSLT** for transforming common XML format and **SAML** for Single Sign-On.
- Designed configuration **XML Schema** for the application.
- Monitoring **WebLogic/JBoss** Server health and security.
- Developed **Maven scripts** and developed builds using Maven and continuous integration servers like Jenkins.
- Used **JavaScript** for the client side validation.
- Used **XMLHttpRequest** Object to provide asynchronous communication as part of **AJAX** implementation.
- Designed and implemented Java Classes to use JAXP parser to create Java objects so as to be able to modify the data received in the response.
- Experience with **KORN** based scripts as part of triggering **UNIX** and J2EE based Jobs.
- Prepared the test plans and executed test cases for unit, integration and system testing using different automation tools like **JUnit, Soap UI** and **Fiddler**.
- Performance Testing experience using **Jmeter**.
- Involved in complete development of '**Agile Development Methodology/SCRUM**', developed and tested the application during various iterations.

- Extensively used **MVC, Factory, Delegate and Singleton design patterns**.
- 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** (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.
- Extensively used various **Spring Framework** modules like **DI(IOC), Bean Wiring, Inheritance, Auto Wiring, JDBC Templates, AOP and Spring Quartz Schedulers for Jobs**.
- Used SOAP for **Web Services** by exchanging **XML** data between applications over **HTTP**.
- **WSDL** was used for publishing Web Service interfaces.
- **JUnit** tests were written to test each module in the application.
- Wrote **Ant Scripts** to automate the build and deploy process.
- Involved in Code Review, Unit Testing and Integration Testing.

Environment: Core Java/J2EE, Servlets, JSP, Java Spring, JSTL, EJB, JMS, XML, XSLT, JDBC, AJAX, IBM WebSphere Application Server 7.0, Oracle 10g, WSAD, IBM MQ, HTML, CSS, JavaScript, Eclipse, UML, Rational Rose, Windows XP, CVS, JUnit, ANT, Adobe Flex, Visio.

Client: First Federal Bank, Lansing, MI

Dec'10-May'12

Role: Java web developer

Description: First Federal Bank Corporation is one of the 20 largest independent bank holding companies in the U.S, with more than 750 branches, free account access at more than 1,800 Federal Bank places. This bank maintains variety of products, including lines of credit, demand noted, term notes, letters of credit. First Federal Bank also deals with Collateral information such as vehicles, mortgages and trust accounts.

Responsibilities:

- Involved in complete development of 'Agile Development Methodology/SCRUM', developed and tested the application during various iterations.
- Involved in various phases of Software Development Life Cycle (**SDLC**) such as requirements gathering, modeling, analysis, design, development, testing, and monitoring.
- Used **Maven** as build tool and deploying the application.
- Developed the User Interface using **springframework, JQuery and Ajax**.
- Developed screens using **Angular JS, CSS3 and html5**.
- Implemented routing logic and navigation from screen to screen and also implemented login functionality on the client side in **Angular JS**.
- Developed complete solutions in **SOA** and create process flows, use various interaction patterns, and integrate web services.
- Design and develop financial web applications using **Perl, HTML, JavaScript, CSS and SQL**.
- Developed reusable and interoperable modules based on **SOA** architecture in enterprise applications.
- Code analysis (**shell scripting and Perl files**) for financial processes.
- Develop batch processes for financial reporting applications and modules using **Perl** and **Korn** shell scripts on Oracle database, with partitions and sub-partitions.
- Used **spring** frame work AOP features and JDBC module features to persist the data to the database for few applications. Also used the Spring IOC feature to get hibernate session factory and resolve other bean dependencies.

- Developed the **persistence layer** using **Hibernate Framework** by configuring the mappings in hibernate mapping files and created DAO and PO.
- **J2EE** deployment on **WebLogic/JBOSS** servers - QA & Staging
- Troubleshooting issues that may occur during the test cycle (Functional & load test) for the **J2EE** applications on **Struts and Spring** framework running on **WebLogic/JBOSS** servers.
- Developed various **Java beans** for performance of business processes and effectively involved in Impact analysis.
- Developed application service components and **configured beans** using **Spring IOC**, creation of **Hibernate mapping files** and generation of database schema.
- Created **SOAP** web services interface to Java-based runtime engine and accounts.
- Done thorough code walk through for the team members to check the functional coverage and coding standards.
- Actively involved in writing **SQL using SQL query** builder.
- Actively used the **defect tracking tool JIRA** to create and track the defects during QA phase of the project.
- Used **SVN** to maintain the version of the files and took the responsibility to do the code merges from branch to trunk and creating new branch when new feature implementation starts.
- Developed test cases using **JUnit**.

Environment: Java, Hibernate, spring (AOP, Dependency Injection), XML, Tortoise SVN, JSP, Spring MVC, J2EE, JUnit, Maven, Web Sphere, UML, SOA, SOAP, Log4J, Oracle, JavaScript, AJAX, JIRA and RAD.

Client: Icon Solutions, India

Sep'09-Nov'10

Role: Software Engineer

Project Description: Component Administration is an Application which will be used by I.V. technology Sales and Marketing division for performing Dynamic and effective pricing of their products. Componentization describes the dynamic web based discounting, pricing and componentization capabilities and tools. The required capability is for a Web Based Dynamic Component catalog featuring defined components, Elements and Parents.

Responsibilities:

- Performed analysis for the client requirements based on the developed detailed design documents.
- Developed **Use Cases, Class Diagrams, Sequence Diagrams** and **Data Models** using **Microsoft Visio**.
- Developed **STRUTS** forms and actions for validation of user request data and application functionality.
- Developed **JSP's** with **STRUTS custom tags** and implemented **JavaScript** validation of data.
- Developed programs for accessing the database using **JDBC** thin driver to execute queries, **Prepared statements, Stored Procedures** and to manipulate the data in the database.
- Developed the application using **J2EE** architecture.
- Involved in developing **JSP** forms.
- Designed and developed web pages using **HTML** and **JSP**.
- Involved in developing **business tier** using **stateless session bean**.
- Used **JavaScript** for the web page validation and **Struts Validator** for **server side validation**.
- Designing the database and coding of **SQL, PL/SQL, Triggers** and Views using **IBM DB2**.
- Developed **Message Driven Beans** for asynchronous processing of alerts.
- Used **JDBC** for database connectivity with **MySQL Server**.
- Used **CVS** for version control.
- Used **Clear case** for source code control and **JUNIT** for **unit testing**.
- Involved in **peer code reviews** and performed integration testing of the modules.

Environment: Java, J2EE, Struts, HTML, JSP, JDBC, EJB, ANT, XML, IBM Web Sphere, JUNIT, DB2, Rational Rose, CVS, UNIX, Clear Case.