**VENKATESH**

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**Expertise Summary**

Over **8+ years** of experience in analysis, design, implementation and testing of Object Oriented Applications in Client/Server environments using Java/J2EE.

* Experienced in Java **Web-based, Desktop and Multitier Based Development** **with Concepts of**, **Object Oriented Design**, **Object Oriented Analysis**, **Object Oriented Programming** and its implementation.
* Experience working with various Software Development Life Cycle like, **Waterfall Model V-Shape Model Iterative Model and methodologies** based on **Agile, Scrum**, **Iteration.**
* Expertise in design and development of various **web and enterprise-level applications** using **Java/J2EE** Such as **Spring MVC**, **Hibernate**, **Struts2** **framework,** **EJB**, **Servlets 3.x, JSF and Google Web Toolkit.**
* Experienced in Middleware persistence framework like **Hibernate/JPA** for mapping Java classes with database and using **Hibernate Query Language.**
* Expertise in developing Web based Distributed and Front-End applications in a three-tier architecture using **Java**, **J2EE, HTML, HTML5, Backbone JS, Bootstrap, Angular JS**, **Ajax, Node JS, JSP,** **CSS, JavaBeans**.
* Experienced in Developing Java/J2EE Applications using **JDK 1.7/1.8, Core Java, JSP, JSF, springs, Web Services, Struts, XML, XSD, XSL and JNDI.**
* Experienced in frameworks: **Spring MVC**, **Jakarta struts framework**, **JSF**, **spring** and **Hibernate**.
* Strong experience in Spring Framework modules such as MVC, **IOC**, **AOP** **and Spring JDBC, Spring JTA, Spring IO, Spring Boot with Thyme leaf, Spring HATEOS, Spring Heroku, Spring Netflix, Spring Hystrix.**
* Developed Struts based presentation layer, **hibernate** based **DAO** layer, Transactional based **service** layer for business logic and integrated all these layers using **Spring Dependency injection, ORM and Web modules**.
* Expertise in building real time data pipelines using **spring Kafka and zookeeper** apart from **JMS** and messaging.
* Good Knowledge on **Apache Storm** which is used for real-time Stream processing
* Expertise in Web Services for data transfer from client to server using **Apache Axis, REST, SOAP, WSDL**, **UDDI**.
* Developed Web applications to consume **JSON** response using callback functions.
* Experienced in working with multiple databases like **Oracle 10/11g**, **SQL Server**, **MySQL**, **DB2**, **Sybase, PostgreSQL and SQLite and NOSQL Databases like (mongo DB, Cassandra, Dynamo DB, Infinity).**
* Hands on experience in **Amazon Web Services** provisioning and good knowledge of **AWS** services like **EC2, S3, Elastic Beanstalk, ELB, RDS, VPC**, Route53, Cloud Watch, Cloud Formation, IAM, SNS etc.
* Experience in implementing **Java EE design patterns such as MVC, Singleton, Session Facade, DAO, DTO,** and **Business Delegate** in the **development of Multi-Tier distributed Enterprise Applications**.
* Experience in **configuring and deploying** the **applications** on **Tomcat**, **WebSphere**, **WebLogic** and **JBoss**.
* Experience in using build tool as **ANT**, **Gradle,** **Maven** to compile, package the components to the Application Servers **MAVEN** scripts for customizing **WAR/ JAR** file management for web applications and **log4J**.
* Experienced in performing unit testing using **JUnit, Test NG, Mockito**, integration and deployment of applications using tools such as **ANT**, **Maven, Gradle and Drools** & debugging through **log4j**.
* **Experience in creating Docker images, Containers, push/pull and integrating with Spring Boot for running applications securely on container platform by flexible integrating** existing processes with **log4J** for logging.
* Experienced in Development, testing and deployment of enterprise applications on **Windows** & **UNIX** platforms using IDE's such as **Eclipse**, **Rational Application Developer,** **NetBeans**, **intellij 14.x/15.x**
* Experience in using different controlling/tracking systems **Subversion**, **CVS**, **GIT**, **and Rational Clear Case**.
* Experienced in **Splunk Log Management Creating dash boards, monitoring, reporting, Email Notification to Users for threshold limit**.

**Technical Skills:**

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| **Programming Language** | Core Java, SQL, PL/SQL |
| **Java/J2EE Technologies** | Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, Swing, AWT,  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,  HTML, AngularJS, Ext JS, backbone JS. |
| **Spring Framework** | Spring IOC, Spring Batch, Spring Boot, Spring Security |
| **Database Server** | Oracle, DB2, SQL Server, MySQL, RDBMS, MongoDB, Cassandra |
| **IDE** | Eclipse, NetBeans, Intellij, STS |
| **Web Services** | REST, SOAP, JAX-WS, JAX-RPC, JAX-RS, WSDL, Axis2, UDDI, Apache  CXF |
| **Version Control** | GIT, CVS, SVN, Clear case |
| **Build Tools** | ANT, Maven, Gradle |
| **Methodologies** | Agile, Scrum, Water-Fall, Rapid Application Development,  Test Driven development |
| **Modelling Tools** | Microsoft Visio, Rational Rose |
| **Operating System** | Windows, Mac, Linux, UNIX |
| **Tools** | Apache Camel, ESB, cucumber, Rational Rose, Microsoft Visio, |
| **Testing &logging** | Junit, Jasmine, JUnit, Log4J, SoapUI, Test NG, easy mock and power mock.  Karma, Protractor, Mockito, Selenium, Jenkins, Docker |

**PROFESSINOAL EXPERENCE**

**Role: Sr. JAVA/J2EE FULL STACK DEVELOPER June 2016 – present**

**Client:** **UnitedHealth Group, Southfield, MI**

**Description**: E-Medical System is an online application which has been developed at UHG. The objective of the project was to redesign a hospital management system from a thick client-server application to a thin web-based client. The project was designed for the hospital/clinic to manage their patients, their treatments, their results. The redesigned application can now let patients also login to the system to setup/change their appointment, view their treatment plans and pay their bills.

**Responsibilities:**

* Followed **Agile, Scrum** approach of development strategy.
* Created many custom filters using **Angular 4.0** and external module to manipulate the routing.
* Configured **Karma** test runner for the project and unit tests are written in **Jasmine**.
* Designed, develop a custom, single-page, responsive **Web Application** on front end using **Angular 4.0**.
* Designed pages using **Angular 4.0 Validations, Modules, Events, Expressions, Directives, Controllers** and **Filters.**
* Extensively used **Spring Framework** modules like **MVC, DI(IOC), JDBC Templates, Spring Security** and **AOP.**
* Created and injected **Spring** services, **controllers** and **DAOs** for **DI** and to wire objects of business classes.
* Implemented the Project structure based on **Spring MVC** pattern using **Spring boot.**
* Hands on experience **Spring Boot Actuator**, **Spring Cloud**, and **Netflix Eureka.**
* Extensively used **Hibernate Mappings**, **HQL**, **Query, Criteria, Lazy Loading Transactions** and **Locking’s.**
* Developed Stored Procedures, triggered stored procedures using **Hibernate**.
* Experience with various persistence mechanisms and **APIs** like **JPA**, **JDO**, **Hibernate**, **EJB**.
* Used **Hibernate EHcache** for second level caching which resulted in enhanced performance of the application.
* Developed **Web Services** using **SOA** technologies such as **REST**.
* Developed and consumed **Apache CXF** based Web Services as part of Payments Application.
* Developed **Grunt** tasks to run the unit tests on **Jenkins**.
* Used advanced **Java 8** features like **Lambda Expressions** Streams, Filters. Enhanced concurrency methods etc.
* Design and develop **Selenium** tests to verify functionality of internal business applications and resulting data.
* Experience with creating **Workflows, Mappings** and Scheduling **Jobs** in **Informatics.**
* Developed Business rules using **DROOLS** and integrated with Application.
* Deployed the application in **JBoss** production server running in **Linux** platform.
* Worked with high volume and complex **PL/SQL Stored Procedures** and **Packages** using **TOAD**.
* Design patterns are extensively used to achieve clean separation of different layers like **Adapter, Singleton, Factory, Abstract Factory, Service Locator** and **Facade**.
* Extensively Used **Castor, XSTREAM & JAXB** APIs for **XML** Marshaling and Un-marshaling.
* Experience with Upgrading existing project from **CVS** to **SVN** and **HUDSON** to **JENKINS**
* Developing **Docker** images for Development and Testing teams and their pipelines.
* Strong understanding of **Microservice** architectures, patterns, related frameworks and prior hands-on experience in developing and deploying **Microservice** solutions.
* Implementing or exposing the **Micro service architecture** with **Spring Boot** based services interacting through a combination of REST and **Apache Kafka** message brokers.
* Coordinated **Kafka** operations and monitoring (via JMX) with **Dev ops** team.
* **Docker** container images, tagging, pushing images, integration of **Spring boot**.
* Experience in develop and configure monitoring solutions to provide full visibility to the different platform components using tools and services like **AWS, Cloud watch, Splunk**.
* Experience in Cloud Solutions on **AWS** utilizing **EC2, S3, IAM, ECS** and **RDS** etc.
* Experience designing and developing applications on relational databases **MongoDB.**

**ENVIRONMENT: J2EE, SPRING FRAMEWORK, MICROSERVICE, SPRING MVC 4, MongoDB,**

**Angular 4.0, CORE JAVA, SPRING SECURITY, HIBERNATE 4.X, MAGENTO, JQUERY, JSON, AJAX, WEB SERVICES, SOAP, XML, JAVA BEANS, XSTREAM, APACHE POI, EXT JS, JQUERY, JAVASCRIPT, ECLIPSE, JBOSS, AGILE METHODOLOGY, DESIGN PATTERNS, APACHE MAVEN, JUNIT, HTML/UNIT, XSLT, HTML5/DHTML.**

**Role: Sr. Java/J2EE Full Stack Developer**

**Client: GuideOne Insurance, West Des Moines, IA    Jan 2015 – June 2016**

**Description**: The PL-PAS Project represents a major overhaul of the GuideOne Personal Lines business unit. The

program will involve analysis and making changes to products, processes, technology, staffing, distribution and marketing. The objective of this initiative is to deliver administrative processes and underlying system capabilities necessary for the personal lines business unit to achieve their 10-year strategic objectives. It also implements the integrations to existing systems and vendors associated with the GuideOne PL-PAS. The GuideOne Personal Lines Rater (PLR) is an easy-to-use business tool. It can be used to quote new business for Auto, Home, and Personal Excess Liability. Using this system agent can create a new quote or view a specific agent's quotes and issue policies.

**Responsibilities**:

* Involved in Brain Storming sessions, Daily Scrum meetings, Sprint planning and estimation of the tasks stories.
* Used **Design Patterns** like **Singleton, MVC, Front Controller, Service Locator, Session Facade and DAO**
* Developed the web application by using Prime Faces employing **AJAX** at client -side components which enables rich web application content in **GUI's**.
* Worked on **Spring modules** like **Dependency Injection, Aspect Oriented Programming and Spring Mail,** **Spring JMS and Spring Security**.
* Involved in development of Agent Verification System using **Spring MVC framework**.
* Extensively used **Hibernate mappings**, **HQL**, **EHCache, Query, Lazy loading** **Transactions** and **Lockings.**
* Developed Batch Rescore Tool to rescore multiple claims using **Multithreading**.
* **AngularJS/Rest angular** framework for page rendering and ajax calls to backend RESTful services.
* Worked on **MVC framework** like **AngularJS** as a development framework to build single page applications.
* Web application development for backend system using **AngularJS** and Node.js with cutting edge.
* Experience with **jQuery**, **AngularJS** in templating and Bootstrap.
* UI development with technologies like **HTML 5**, **Angular JS** and **Jquery**.
* Used **jQuery** to make the application highly interactive and used **JSON** objects for efficient client-side coding.
* Developed **GUI** using **JavaScript**, **HTML**/**HTML5**, **DOM, XHTML, AJAX, CSS3**
* Built Web pages that are more user-interactive using **jQuery** plugins for Drag and Drop, AutoComplete, **AJAX**, **JSON**, and **JavaScript**, **Bootstrap**.
* Used **Spring JMS** to post and consume the messages from the **IBM MQ** Server.
* Used **Spring** Mail for sending emails to the customers and business.
* Extensively used **hibernate named queries, criteria queries, Hibernate Query Language** and Optimistic Locking and Caching to process the data from the database.
* Integrated Java systems with .Net systems using **BizTalk integration tool**.
* Responsible for design of **WSDL files and schemas. Designed and hosted SOAP based Web Services** on WebSphere Application Server.
* Implemented **Quartz** jobs for running the batch jobs based on the cron triggers configured in the **Spring** files.
* Involved in deploying and testing the application in **JBoss** application server.
* Used MongoDB as a **NoSQL** for storing JSON data.
* Responsible for continuous monitoring and managing Elastic Map Reduce cluster through **AWS** console.
* Setup and effectively use **SOAP** Monitor tool supplied with Apache axis to track SOAP request and response sent to and from ATLAS Webservice on daily basis.
* Implemented validation rules using **JBOSS BRMS** (Business Rule Management System), a version of **DROOLS**.
* Log4j, Active MQ Series, Soap Webservices with Apache CXF 2.3/ JAX-RPC/ JAX-WS, JSON Rest Webservice.
* Developed **Unit /Integration test cases** using **Junit, Easy Mock, Mockito and Selenium tools**.
* Used **Ant/Maven** tools for building and deploying the Web applications.

**Environment:** **Java 1.7, Spring, JPA, Hibernate, Web services, jQuery, jQuery UI, AJAX, Java Script, Jenkins, Web Sphere 8.5, CVS, Google Guava, IBM MQ, NoSQL, Mockito, Spring MQ, Spring MVC, Web Services, SOAP UI, PrimeFaces, JAXB, WSDL, Scala, XSD, AWS, XML, XML Spy, BRMS,** **SQL, BizTalk Server 2010, Microsoft Visual Studio 2010, DB2, SQL Server 2010, Microsoft Visio, Eclipse, WinSQL, Squirrel SQL.**

**Role: Sr. Java /J2EE Developer June 2013 to Dec2014**

**Client: T-Mobile, Glendale, CA**

**Description**: T-Mobile is a leading Telecom Domain company based in USA. T-Mobile Equipment Instalment Program (EIP) team works with clients to help their customer’s finance their Mobile devices from various available instalment plans introduce new plans and calculate down payment and monthly Instalment using Credit Information of an end user. Also, helps them Return or Exchange their Mobile. Device and upgrade to a new mobile device using jump Upgrade Option. This Project was developed using Spring, Hibernate, Struts 2.x, JPA, HTML5.0, CSS, JavaScript, RUP, JMS, DB2, WebLogic Application Server, and SOAP Web Services.

**Responsibilities**:

* Worked in **Agile** Environment and Iterative Development Process using Scrum concepts that includes Analyzing, Designing, Coding, Testing, implementation & Production Support.
* Applied **J2EE design** patterns like **Singleton, Data Transfer Object, Data Access Objects,** Front Controller and Adapter during the development of components.
* Designed and Developed complex UI screens using **HTML, CSS, AJAX, JSP, jQuery, JavaScript** for request management and search and filter modules.
* Developed GUI using **Struts, HTML3, CSS3, Swing and JavaScript** to simplify complexities of the application.
* Built dynamic and responsive web flow using **AngularJS** controllers, services & custom directives and **AJAX** calls.
* Used CSS pre-processors **SASS**, along with **JavaScrip**t task runner **GruntJS for building & rendering stylesheets.**
* **Implemented Internationalization(i18n)** and **Localization/Pluralization (L10n)** using **Angular Translate Module.**
* Used detailed **wireframes** and developed Mock-up designs as per the requirements of Business.
* Performed both client-side validations and server-side validations, client side using **JavaScript** and server side using in **built Struts Validation Framework**.
* Developed Application using **Spring DAO, Spring AOP and Hibernate, Spring batch**, Web Services like **SOAP**
* Exposed and consumed **SOAP** based **Web Services** to communicate, used **SOAP UI** for testing.
* Implemented automation using **Selenium WebDriver, JAVA, Selenium Grid, and Maven**.
* Implemented cross cutting concerns like logging and monitoring mechanism using **Spring AOP**.
* Adopted **J2EE design patterns** like **Service Locator, Session Facade and Singleton**.
* Implemented **SOA** architecture with web services using **SOAP, WSDL, UDDI and XML.**
* Implemented Dynamic batch feature for batch processing with **Spring batch.**
* Developed **SQL**and **PL/SQL** scripts to transfer tables across the schemas and databases.
* Developed **SOAP** based Web Services for Integrating with the Enterprise Information System Tier.
* Used **jQuery** for accessing **JSON** objects received from server side.
* Implemented Unit Tests using **Karma** and **Jasmine** and End-to-End Testing using **Protractor**.
* Used **ANT** for compilation and building **JAR** files, Used **SVN** version control tool.
* Deployed applications on **Web Logic** Application Server and performed required configuration changes.
* Used **JIRA** for bug tracking, project level issue tracking and environmental issue tracking.

**Environment: JavaScript**, **jQuery, AJAX, HTML3, JSP, CSS3, SASS, Angular JS, Grunt JS Java1.8, J2EE, Spring 4.x, Hibernate 4.x, Web Services, SOAP UI, XML, WSDL, PL/SQL, Agile Methodology, JIRA processes, SVN, Design Patterns, WebSphere MQ, Selenium, Eclipse IDE.**

**Role: Sr. Java Developer**

**Client: Mercury Insurance Group, Los Angeles, CA May 2012 – June 2013**

**Description:** The insurance-based company provides insurance for car, homes Condo, business auto insurance etc. The developed application provides web based online insurance services. 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:**

* Involved in all the phases of **software development lifecycle** including Requirements Collection, Design & Analysis of the **Customer** Specifications, Development, Deployment and Customization of the Application.
* Developed UI using **HTML**, **CSS** and **jQuery** to display the data on the client side. Wrote **Single page web applications** using **NodeJs** as server side**, GULP, WEBPACK,** **Restful** web services plus **AJAX** and **Angular JS**.
* Developed a dashboard based on **Ajax calls** with Business Customers Count, Flags, Real-time graphs for Analytical Reporting using **NodeJs** and Wrote code to fetch data from web services using **jQuery AJAX** for asynchronous communication **via JSON** response and updating the modified data to display in UI pages.
* Called web services with **REST Architecture** to specify constraintsthrough **Angular JS** services to get **XML file** data.
* Involved in implementation of enterprise application communication and integration with Web Services and Legacy Systems using **REST** (Using Axis and Jersey frameworks).
* Used various Core Java concepts such as **Multi-Threading, Exception Handling,** **Collections framework** extensively to store, retrieve and manipulate data objects of application in the business logic layer.
* Involved in writing **Spring Configuration XML file** that contains declarations and another dependent object declaration.
* Used **J2EE Design** patterns like **Singleton, Service Locator, Session** **Façade Business Delegate** during development.
* Developed **micro services** with **Spring Eureka** to retrieve API routes for the entire cluster. Using this strategy each micro service in a cluster can be load balanced and exposed through one API gateway.
* Used Spring Transactions in the application and **spring beans** to develop **Session beans** for the business logic.
* **Spring MVC Framework IOC 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 service layer with dependency **wiring, transaction, DAO, Annotations** for **DI**
* Designed and developed Application based on **Spring Framework, Spring MVC and spring templates,** Used Spring Framework for **Dependency Injection** and integrated with **Hibernate DAOs for ORM mapping.**
* Composed and executed **MongoDB** document scripts to insert, update NoSQL database, automating data changes, reporting and wrote **MongoDB** client to receive data from AMC for Companies.
* Used **NoSQL MongoDB** database to provide recommendations on Performance tuning for applications.
* Used **Hibernate framework** in persistence layer for mapping an object-oriented domain model to a relational database.
* Worked on **Pivotal Cloud Foundry** to host **Application** which used to role-based access controls, applying, enforcing roles and permissions to ensure that users can only view and affect the spaces for which they have been granted access.
* Re-architect monolithic service into micro **services-based** architecture using spring boot and **pivotal cloud foundry.**
* Used Selenium Data Driven framework for testing the application and integrating it with **Maven** [Build Management Tool], **TestNG** [Unit Testing tool] and **Jenkins** [Continuous Integration Tool] for continuous delivery pipeline.
* Created and configured management reports and dashboard using **Splunk** by identifying data patterns, metrics.
* Used **Maven** as the Build tool. Experienced in using assistant tools such as **GIT** to access the code repository and version control repository **SVN** (Subversion by apache).
* Implemented the logging using **log4j** framework which is used to log both User Interface and Domain Level Messages

**Environment: J2EE 1.8, spring 4.0, Hibernate 4.0, AJAX, JMS 1.1, XML, SOAP, WSDL, REST, JDBC, JAX-WS 2.2, JavaScript 1.8.2, AngularJS, NodeJS, UML, HTML5, JAXB 2.2, SVN, Log4J, JMeter, WebSphere 8.5 Application Server, Eclipse, Oracle 11g, Maven, Jasmine, Karma, Protractor, Jira.**

**Role: Java/J2EE Developer**

**Client: JPMorgan Chase, NY Nov 2010 – May 2012**

**Description:** CSR Dashboard is an internal facing application, accessed via the Prime View portal, which is currently designed to serve the CSR who need to provide a proactive and superior client service with Option Assignment events, with Corporate Actions and Money Transfer events to follow. This tool provides a CSR centric view of all key events for all families supported by a CSR, Team Lead or Area Manager. As of today, Option Exercise and Corporate Actions have been on boarded.

**Responsibilities**

* Worked extensively with the backend which comprised of **Spring, Hibernate** and **JPA**.
* Used **JSON** and **XML** formats to transfer data from the server.
* Implemented **Web Services** to handle data from third party interfaces, used tool like **axis 1.4** to create web services.
* Developed **AJAX** based web-based UI framework.
* Created simple user interface for application's configuration system using **MVC** design patterns and **Swing** framework.
* Developed **Servlets** and **JSP** for performing CRUD operations on domain specific entities.
* Developed Service Layer using **POJOs** and **Spring IOC**.
* Developed Data Access Layer using **Hibernate** and **DAO Design Pattern**.
* Involved in working with J2EE Design patterns (**Singleton**, **Factory**, **DAO**, and **Business Delegate**) and Model View Controller Architecture with **JSF** and **Spring IOC**.
* Used **Apache POI API** to generate excel document for data in each grid in the application.
* Extensively used **Spring IOC** architectural model to inject objects based on the selection of components like setter injection and Interface injection to manage the object references.
* Involved in the **development of the application based on backend Spring MVC architecture.**
* **Utilized Spring** MVC framework to implement design patterns like IOC (Dependency Injection), **Spring DAO**, Data Transfer objects, Business objects, **ORM Mappings**.
* Used the **Spring DAO** to handle exception for database transaction like open connections, no result, connection aborted, closing the connections etc.
* Utilized the concept **of Lazy initialization** and **Eager fetch** based on the requirements and increase the performance within the session of objects.

**Environment**: **Spring MVC, IOC, Hibernate, Swing, Oracle, Maven, Eclipse, AJAX, JSP, HTML, CSS, Java Script, XML, Servlets, Design Patterns, Apache POI, Web Services.**

**Sasken Communication System Ltd**, **Bangalore, India**

**Client: Samsung June 2009– Oct 2010**

**Role: Software Engineer**

**Description**: This project is designed to provide a standard interface to control TVs, Hi-fi equipment, etc. to allow a single remote control to control all the A/V equipment to which a user has access. The procedure of this profile specific AV/C command is an extension of the AV/C digital interface command. It supports Hands-free as well as handsets both. This profile gives the facility to the user to play the music with Bluetooth Dongle and remote control is also supported under Microsoft Window Media Player.

**Responsibilities:**

* Developed **UNIX shell scripts** for applications and wrote shell scripts for FTP files from one location to another.
* Designed use case diagrams, class diagrams, and sequence diagrams as a part of Design Phase using Rational Rose.
* Developed application implementing **MVC** Architecture integrating **JSF** with **Hibernate** and **Spring** frameworks.
* Responsible for some enhancements to existing project
* Developed the Enterprise **Java Beans** (Stateless Session beans) to handle different transactions such as online funds transfer, bill payments to the service providers.
* Developed deployment descriptors for the **EJB** to deploy on Web Sphere Application Server.
* Developed Web Services for data transfer from client to server and vice versa using **Apache Axis**, **SOAP**.
* Developed **XML** documents and generated **XSL** files for Payment Transaction and Reserve Transaction systems.
* Worked on **AJAX** to develop an interactive Web Application and **JavaScript** for Data Validations.
* Build **ANT** Script for the application and used **Log4J** for debugging.
* Used **JUnit** Framework for the unit testing of all the java classes.

**Environment**: **Jdk 1.5, EJB 2.0, Hibernate, Spring IOC, HTML, JavaScript, XML, CSS, UML, SOAP, Ajax, JUnit, Ant, Eclipse, Linux, MySQL.**