KALYAN DAS
SENIOR FULL STACK JAVA DEVELOPER
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SUMMARY:

- Highly Skilled Professional with having 8+ years of professional experience in designing, developing and testing internet/intranet Web-based applications, **Client/Server** applications, **J2EE** Architecture, **OO Design patterns**, **Core Java**.
- Experience in designing web/enterprise applications using Software Development Lifecycle (**SDLC**) **methodology**.
- Proficient in applying design patterns like **MVC, Singleton, Session Facade, Service Locator, Adapter, Visitor, Observer, Decorator, Front Controller, Data Access Object.**
- Very good understanding of **Model View Controller (MVC), Client Server and Multi-tier architectures**.
- Excellent experience in **Object Oriented Analysis and Design (OOAD)**, Development, Implementation and Testing of various software applications using **Java, J2EE.**
- Expertise in Java concepts like **OOP, JAVA SWING, JDBC, JMS, Multi-Threading** and **JUnit.**
- Hands on expertise in designing, developing and deploying applications using J2EE technologies including **JSP, Servlets, Spring, Hibernate, EJB, JSTL, Struts, AJAX, JDBC, JNDI, Java Beans, Web Services** and **RDBMS.**
- Expertise in web development using **HTML 4/5**, **DHTML**, **CSS, Java Script**, **XSL**, **XSLT**, and **XML** (**DOM**, **JAXP**, **JAXB**).
- Expertise on **Spring Boot, Spring Core, Spring ORM, Spring DAO, and Spring MVC architectures**.
- Proficient in implementation of frameworks like **Struts**, **spring**, **JSF**, **AJAX** frameworks (**RichFaces**, **MyFaces**) and **ORM** frameworks like **Hibernate**.
- Excellent experience with Application Servers like **JBoss, Tomcat7.x/6.x/5.x/4.x/3.x, IBM WebSphere 7.x/6.x/5.x** and **Oracle**/BEA **WebLogic 10.x/9.x/8.x/7.x/6.x**
- Excellent experience with major relational databases – **Oracle 8i/9i/10g, SQL Server 2000/2005/2008, DB2, My SQL.**
- Good knowledge and working experience on Big data technologies like Spark, Scala, Hadoop, Map-Reduce, HDFS, Hive, HBase, Zookeeper, Kafka.
- Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from SQL relational databases.
- Experience in building large scale web applications using **JavaScript**, **React.js, Backbone.js**, **Node.js, Ext JS, jQuery.**
- Solid experience of Defect/Test Management tools like **JIRA, Quality Center/Test Director, Bugzilla.**
- Designing and Developing Single Page web applications (**SPA**) using **AngularJS**, and **Node.js** with other UI technologies/ libs such as **Backbone**, **jQuery**, **Bootstrap**.
- Proficient in creating the Dash Boards using the **Backbone.js** for faster performance with **AJAX** calls.
- Extensive Experience in retrieving and manipulating data from backend using Database **SQL** queries, PL/**SQL-Stored Procedures, Functions, Sequences, Triggers, Views** and **Packages**.
- Experience in creating rules using Business Rules Engines: Drools, ILOG.
- Expertise in working on **ANT**, **Hudson**, **Maven**, **Log4j**, **JUnit**, **Mockito**, **JMock**, **Test-ng**.
- Experience in using various version control tools like **SVN**, **CVS** and **IBM Rational Clear Case**.
- Extensive development experience in different IDE's like **Eclipse, NetBeans, JBuilder 9.x/8.x, JSource, JDeveloper.**
- Excellent experience in writing **ANT, Maven build scripts**, providing logging facility using **Log4j**, Writing **JUnit** test cases and used **Clear Quest, JMeter, Bugzilla** for bug tracking**.**
- Proficient in **NoSQL DB** such as **Apache Cassandra DB, Mongo DB.**
- Expertise in developing **SOA** (Service Oriented Architecture), **REST** and **J2EE Web Services** based on **SOAP, WSDL, UDDI, JAX-WS, JAXB, JAX-RPC, JAX-RS** using tools like **Apache Axis.**
- Experience working with big data and real time/near real time analytics and big data platforms like Hadoop, Spark using programming languages like Scala and Java.

- Experience in preparing project related documents using Microsoft Office Suite like **MS-Office, MS-Excel, MS-PowerPoint** and **MS-Visio**.
- Experience in Integration tools **Oracle SOA Suite**/BPEL/Fusion Middleware, web-methods and **Apache CAMEL**.
- Extensive experience in using **Amazon Web Services like RDS, EC2, Redshift, SQS, SNS, Cloud Watch and S3.**
- Experience in Integration of **Amazon Web Services, AWS** with other applications infrastructure.
- Extensive programming experience with **Google Map APIs**, **YouTube Data APIs**.

TECHNICAL SKILLS:

Languages:	Java 1.5/1.6/1.7/1.8, UNIX Shell, SQL, PL/SQL
Technologies:	JSP, Servlets, JNDI, JDBC, EJB, JMS, Java Beans, SOAP, JAXP, AJAX, AWT, Swings, ILOG, JXPath, Xpath, Multi-Threading, Adobe Flex, Microservices.
Web Technologies:	HTML/HTML5, DHTML, XML, CSS, JSF, JavaScript, AngularJS, Backbone.js, ReactJS, Ext JS, Node.js.
Distributed Technologies:	RMI, EJB, JMS, Data Warehouse
Application Server:	Oracle/BEA WebLogic 8.1/9.1, IBM WebSphere 5.1/6.0/6.1/7.0, JBoss, Tomcat 5.0/6.0/7.0
J2EE Frameworks:	Spring 3.x/2.x, Struts 2.x/1.x, Log4J, MVC, Hibernate 3. x.
IDE's:	Eclipse, NetBeans, IntelliJ, JDeveloper
Database's:	Oracle 8i/9i/10g/11g, MS Access, DB2 UDB, MySQL, Mongo DB
Web Services	JAX-WS, JAX-RPC, JAX-RS, SOAP, WSDL, UDDI, REST, SOAP UI
Version Control Tools:	Rational ClearCase, WinCvs, Requisite Pro, ClearQuest, SVN
Testing Tools:	JUnit, Win Runner, Selenium WebDriver, Selenium Grid, JIRA.
Methodologies	Agile, Scrum, XP, RUP, TDD, OOAD, SDLC
Case Tools:	Rational Rose, UML, OOAD, RUP
Operating Systems:	Windows 8/ 7/ XP/ 2000/NT/98/95, MS-DOS, UNIX
Build Tools	ANT, Maven

Education:
Bachelor of Technology in Information Technology (B. Tech), Jawaharlal Nehru Technological University, JNTU, Hyderabad. Class of 2009

PROFESSIONAL EXPERIENCE:

Citizens Energy Group - Indianapolis, IN Jan'17 - Till Date
Senior Full Stack Java Developer

RESPONSIBILITIES:
- Worked and developed functionalities in **Agile** Methodology of SDLC, and involved in Team planning and grooming sessions and Retro session in Agile environment.
- Involved in development, deployment of **Web Applications**, **Micro services** deployed on Cloud Foundry.
- Working with **Offline First Multi-device** and **Multi-Platform** application architecture.
- Worked on **Rest Web services** as well as **Node Rest framework** for **backend services** and developed **backend code** using **Java collections** including **Set, List, Map, Multithreading** and **Exception Handling**.
- Working on **AngularJS 1.5 to Angular 2.0 Code transition**. With **ES6** and **TypeScript**.
- Built **npm** libraries/packages in **Node.js** and **Grunt Task** runner for **Unit testing** AngularJS components as part of **Test-driven development**.
- Prepared **Tableau** reports in various subject areas like Materials Procurement Savings, Bill of Materials, Customer Service Index, Employee Productivity and Employee Safety.
- Developed Spring Application using **Spring Core, Spring AOP, Spring MVC, Spring Batch, Spring Security, and Spring DAO** and middleware application using spring core framework.
- Used Executor Service **Multi-Threading** in programming and developed various helper classes.

- Involved in coding for the presentation layer using **jQuery, jQuery Mobile, Node.js, and JavaScript.**
- Involved in developing iOS **SOA** application based on **Microservices and Predix** cloud.
- Working on **RESTful** web services, exclusively consuming REST API with **Asynchronous behavior**.
- Implemented application using **Spring Boot** Framework and handled the security using **Spring Security.**
- Selected the Test Cases to be automated and performed functional testing of the front end using **Selenium (IDE and Web Driver)** & created Data Driven framework using **JUnit.**
- Designed and Implemented Real time applications using **Apache Spark** and **Kafka**.
- Wrote **SQL** queries and developed the back-end programs in **PL-SQL** for this application.
- Provided data persistence by object/relational mapping solution via Hibernate for application save, update, delete operations.
- Experience with messaging systems like Kafka, RabbitMQ
- Implemented interceptors using Hibernate and build and release Spring Boot framework.
- Performed Unit testing, Integration Testing and generating of test cases for web applications using JUnit.
- Used **Spring** (IoC) for injecting the beans and reduced the coupling between the classes.
- Implemented the Model View Controller using **Spring** MVC and implemented various design patterns.
- Worked on **GIT** for version control and bug tracking. Worked on Code integration and deployment tool **Jenkins, Ansible, Docker.**
- Managed local deployments in **Kubernetes,** creating local cluster and deploying application **containers.**
- Worked with Object relational databases like PostgreSQL Database and H2 database engine.
- Worked with CouchBase NoSQL database, multiple ERP connections based on RDBMS.
- Used Node.js, Express.js to create server-side API with MongoDB.
- Used Postman Collections for Rest API testing. JSON output was tested using Advanced REST Client or **POSTMAN.**
- Strong understanding of supporting **JSON based RESTful web-services,** integrating with the front-end.
- Develop **RESTFUL** Web Services interface supporting both **XML** and **JSON** to publish printing machines operational data, also developed the code to interact with other web services.
- Deploy and debug application on **Predix** Platform (Cloud Bases PaaS Model) and **Cloud foundry**.

ENVIRONMENT: J2EE, Spring Boot, JPA, Tableau, Predix (Cloud Foundry), Ansible, JDK 1.8, AngularJS, Node.js, JUnit, Eclipse STS, Spring Framework, Agile Scrum, Rest Web Services, Postman, Postgres DB, HTML5, CSS3, Selenium Web Driver, Amazon Web Services, Apache Spark, Jenkins, Ansible, Docker.

Freeman Health System, Joplin, MO   **Sept' 2015 – Dec' 2016**
Senior Full Stack Java Developer

RESPONSIBILITIES:
- Involved in Requirements gathering, analysis, design, development, testing and Maintenance phases with **TDD** approach
- Designed and developed the UI using **HTML5**, **CSS3**, **JavaScript**, **Node.js**, **and Backbone.js, Ext JS, AJAX**, and **JSON**.
- Used **Bootstrap** for responsive design which allows users to access it from any device.
- The presentation layer used **Spring MVC** to implement the MVC architecture design and facilitates user interface designed by use of JSP's and tag libraries.
- Worked on Media Queries as a complement to the Grid System of UI **Bootstrap** to facilitate the implementation of the responsiveness
- Enhanced user experience by designing new web features using MVC Framework like **Backbone.js** accommodate these advanced and fast technologies. Enhanced User Interface based on **Adobe Flex**.
- Developed entire user interface using various **Ext JS** components like Form panels, Tab panels, View port and Editable grids.
- Involved in converting Hive/SQL queries into Spark transformations using Spark RDD, Scala and Python.
- Developed and implemented **Swing, spring and J2EE based MVC (Model-View-Controller)** framework for the application.

- Gathered existing functionality of various products from **PE BRD, HLAD and FDN**.
- Implemented **RUP** development process on Software Development Life Cycle and done with effort estimations using Function point's 3p estimations.
- Prepared design documents with Sequence Diagrams, Class Diagrams using **Microsoft VISIO** tool.
- Used **spring** framework to inject services, entity services, transaction management, and concerns by factory class corresponding to the use case operation executing.
- Used **ReactJS** to create views to hook up models to the DOM and synchronize data with server as a Single Page Application (SPA).
- Involved in using spring concepts **DI/IOC, AOP, Batch** implementation **and Spring MVC**.
- Implemented Declarative transaction management using **Spring AOP**.
- Deployed **Spring Boot** based **microservices** Docker container using **Amazon EC2** container services and using **AWS** admin console.
- Written Storm topology to accept the events from Kafka producer and emit into Cassandra DB.
- Used spring **JDBC Template** to do CRUD operations with Database.
- Designed **AWS** Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
- Developed modules in the application using **micro services** architecture style.
- Involved in building and deploying scripts using **Maven3.3** to generate WAR, EAR and JAR files.
- Leveraged Zeno framework for Writing Storm topology to accept the events from Kafka producer and to emit into Mongo DB.
- Created **WSDLs** as per wire frames, UI pages generated client jars using **JAX-WS**.
- Used **Apache CXF** to create **SOAP** based Restful web services.
- Developed Applications using Rule Engines, **Drools 4. X and ILOG** with corresponding to validate the business User Roles.
- Used **CORE** and **HTML5** tag libraries for expressing **Java Server Faces** within a view template.
- Wrote **AngularJS** services to consume Restful web service to load data.
- Explored **Spark**, **Kafka**, **Storm** along with other open source projects to create a Realtime analytics framework.
- Used **SVN** for version control and source repository, Used Fisheye for Code Review and **JIRA** for reporting Bugs.
- Worked on Column Filters of Data table using **jQuery and ReactJS.**
- Involved in writing **Thread** Safe blocks for **multithread** access to make valid transactions.
- Created continuous integration builds using **Ant Jenkins, Docker, Ansible** and deployed on **WebSphere** app server.
- Done with **Web sphere** server configurations, Data Sources, Connection Pooling, MQ Series Queues set up for messaging and deploying the apps on different servers in different environments like QA/IST/Production.
- Used **Google Maps API** to implement location module in the application.
- Used **Spark-Streaming** APIs to perform necessary transformations and actions on data model which gets the data from **Kafka** in near real time and Persists into **Cassandra**.
- Worked on **Rest Web services** as well as **Node Rest framework** for backend services and used **MongoDB (NoSQL)** for database services.
- Used **ActiveMQ** messaging to set up communication between applications in ESB. And flows are created for **JAX-WS** and **JAX-RS** web services.
- Participated in migration to **DB2** data base from **Oracle DB**.
- Followed coding guidelines and implemented Core Java **J2EE design patterns**.
- Used **IBM Clear case** as version controlling system.
- Involved in deploying the application in **UNIX** and to connect to see logs for fixing UAT/Production defects.
- Coordinated with Performance team to get thread dumps tuned java as well as DB code.

ENVIRONMENT: JAVA 1.6/1.7, J2EE, Servlets, JSP, Swing, Web Sphere Application Server 8.x, XML, HTML, XSD, XSLT, XPATH, JAXP, JAXB, WSDL, Maven, Java Spring MVC, SOAP, Drools, JavaScript, Jenkins, Docker, Ansible, AngularJS, Node.js, Backbone.js, Bootstrap, Ext JS, Spring frame work- Boot, DI, AOP, ReactJS, MVC, REST, JAX-RS, CXF, IBM MQ Series, RAD 8.0, JUNIT, TDD, AWS, IBM Clear Case, SOAPUI, JProfiler, Selenium, JNDI, Java/J2EE design

patters, Adobe Flex, EMMA, JIRA, Ant, MongoDB, Elastic Search, HP QC, DB2, IBM Optimum tool, Google Maps API, Drools, iLog, Linux, Micro services etc.

FNB Corporation, Pittsburgh, PA   **July 2014 – Aug' 2015**
Full-Stack Java Developer

RESPONSIBILITIES:
- Worked on JavaScript to validate input, manipulated **HTML** elements using **JavaScript** and **AngularJS** developed external JavaScript codes that can be used in several different web pages.
- Created rule files using **JBoss Drools 5** rules.
- Involved in preparing High low-level design docs with **UML** diagrams.
- Involved in **PSI** estimations using Fibonacci approach and divided feature into different USs.
- Developed the presentation layer written using **HTML**, **CSS3, Ext JS, ReactJS** and client-side validations were done using **JavaScript**, **jQuery**, and **JSON**.
- Designed a responsive website using **Bootstrap** grid system to layout contents that fit different devices including mobile, tablet and desktop.
- Configured Spark streaming to receive real time data from the Kafka and store the stream data to **HDFS** using **Scala**.
- Written business logic to retrieve data from legacy systems using web methods Mainframe, Java
- Administered and configured multiple web methods B2B installations. This included moving developed code to various environments, setting up multiple databases aliases (Oracle), partner server's subscriptions.
- Used **multithreading** extensively to improve the performance of the application.
- Worked on the Common UI layout for defining the Header, Footer and Menu using **JSF Facelets**.
- Developed Spark code using **Scala** and **Spark-SQL**/Streaming for faster testing and processing of data.
- Developed the application using frameworks like **Struts**, **Java Server Faces (JSF)** and **Spring frameworks**
- Used **AWS Beanstalk** for deploying and scaling web applications and services developed with **Java**, **PHP**, **Node.js, Python, Ruby**, **Ansible** and **Docker** on familiar servers such as **Apache**, and **IIS**.
- Developed custom directives, Factories and Services in **AngularJS**.
- Knowledge on **Apache Spark java** API and worked on Drools to configure rules as per business requirements.
- Implemented **EJB's session bean** to maintain mobile session.
- Worked with **NoSQL databases** such as **Cassandra**, **MongoDB**.
- Implemented methods to validate, invalidate, keep a live session for login process and maintaining session credentials.
- Implemented **Spring MVC Controller** module for better handling of client request, consume **RESTful** Webservice and sending response back to client.
- Used **Maven repository** to include all the jar files required for the **JDBC** Connections and **JSP Tag libraries**.
- Developed certain features of the application functionality i.e. **CRUD** (Create, read, update, delete) features using **Backbone.js** and Responsive Design.
- Developed **REST** services to talk with adapter classes and exposed them to the **AngularJS** front-end. Worked on **Restful** web services which enforced a stateless client server and support JSON few changes from **SOAP** to RESTFUL Technology Involved in detailed analysis based on the requirement documents
- Worked on serialize and de-serialize of data in applications using JSON
- Implemented code to consume messages from streaming data platform (SDP) using **Apache Kafka**.
- Used **Spring MVC** as Web module, involved in design, development of new Action classes to interact with business logic
- Designed, built, and deployed a multitude application utilizing almost all the **AWS stack (Including EC2, MongoDB** focusing on high-availability, fault tolerance, and auto-scaling).
- Experienced in build, deploy multi module applications using Maven, ANT and CI/CD services like **Jenkins, Docker, Ansible**.
- Transformed, Navigated, Formatted XML documents using **XSL, XSLT, XPath, and XSL-FO**.

- Involved in **Web sphere** server configurations, Data Sources, Connection Pooling, MQ Series Queues set up for messaging and deploying the apps on different servers in different environments like QA/IST/Production.
- Used **IBM Clear Case** for source code version control.

ENVIRONMENT: JAVA/J2EE, HTML, XHTML, DHTML, JS, AJAX, jQuery, DOJO,CSS3, Servlets, JSP, AngularJS, Node.js, Backbone.js, ReactJS, Bootstrap, XML, XSLT, XPATH, WSDL,AWS, SOAP, CXF, REST, JAX-RS, JAX-WS, Web Logic server 10.3.3, JMS, Maven, Drools 5 , Eclipse, Jenkins, Docker, Ansible, JUNIT, MongoDB ,Mockito, Star Team, TDD, Spring MVC, Ext JS, EMMA, JIRA, Spring framework DI, AOP, Batch, Struts, Hibernate, Elastic Search, Ant, HP QC, Coherence, Rally, Apache Camel.

Kansas City Life Insurance Company, Kansas City, MO   **Nov 2013 - June 2014**
Java/J2EE Programmer

RESPONSIBILITIES:
- Participated in all phases of the project like design, development, testing, enhancements and production support.
- Developed and supported all tiers of the application – **UI/Business Logic/Database**
- Worked on impact analysis to migrate existing persistence layer to **Hibernate**.
- Created and injected dependency injection and to wire objects of business classes.
- Expertise in developing Web Applications using **Spring** Dependency Injection, and **AOP** for modularity.
- Designed the Front-end screens using **JSP, Servlets, HTML, and JavaScript.**
- Design & Development of User Interface module using **J2EE**, **JSP**, **Servlets** and **Struts** Framework.
- Extensive use of core Java **Collections**, **Generics**, **Exception Handling**, and **Design Patterns** for functionalities.
- Provided installation, configuration & maintenance of pre-prod and production Cloud environments including services such as **Tomcat, Apache, Jetty, MongoDB, MySQL, and Jira**.
- Exposed the Web Services to the client applications by sharing the **REST** Request and Response.
- Developed the functionalities under **Agile Methodology JIRA** processes**.**
- Prepared documents containing detailed recommendations for automation and support, enabling business process improvements.
- Led and participated in weekly marketing meetings to build relationships with the marketing team and improve problem resolution process.
- Installed, Configured and administered **Tomcat server**.
- Developed the application using JSP**, Java Servlet, and XML**.
- Worked with **DB2** and Wrote **SQL** Queries, **Stored Procedures, triggers, views** and integrated SQL Queries into DAO.
- Implemented **entity beans** utilizing container-managed relationship for retrieving data.
- Thoroughly Unit tested the application by writing test cases in **JUnit** for different scenarios.
- Involved in **testing**, **debugging**, **bugs fixing** and documentation of the system.

ENVIRONMENT: Java, JSP, DB2, JUnit, Eclipse, WebLogic, Log4j, XML, J2EE, JSP, JIRA, Web Services. Servlets, Struts Framework.

Axis Bank, Hyderabad, TS   **Sept 2011 - Oct 2013**
Java/J2ee Developer

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 service clients.
- 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**.
- Used **Java Message Service (JMS)** for loosely coupled, reliable and asynchronous exchange of user and real estate information among J2EE components and legacy system
- 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 access objects), 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, Hibernate, Swing, Oracle, Maven, Eclipse, AJAX, JSP, HTML, CSS, Java Script, XML, Servlets, Design Patterns, Web Services.

SingleSource Computing Pvt. Ltd., Hyderabad, TS   **June 2009 – Aug 2011**
Java Developer

RESPONSIBILITIES:
- Involved in the software development life cycle requirement gathering, coding, testing, and implementation.
- Used **Java Message Service (JMS)** for loosely coupled, reliable and asynchronous exchange of user and real estate information among J2EE components and legacy system
- Involved in working with J2EE Design patterns (**Singleton**, **Factory**, **DAO**, and **Business Delegate**) and Model View Controller Architecture with JSF and Spring IOC.
- Installed, Configured and administered **JBoss server**.
- Developed UI using java **swings**.
- Configured and Implemented **Web Services** specifications.
- Displayed the Documents in PDF format using **Spring AbstractPdfView**.
- Developer advanced UI features (like slider, crop etc.) using **jQuery**.
- Dynamic web pages are developed using **JSP, servlet, HTML, JavaScript, XML** and **CSS**.
- Used **CVS** for version control.
- Extracted data in UI for different clients using JSON format.
- Implemented client-side validations using JavaScript
- Implemented AJAX to speed up web application
- Used Web Developer, Firebug, and IE developer toolbar for debugging and browser compatibility
- Participated in maintenance and production support.
- Used **Junit** to test all the APIs and business logic.

ENVIRONMENT: Web Service, WSDL, spring, Swing, jQuery, HTML, JSON, AJAX, JSP, JavaScript, Web Services.XML, UML, Oracle, JBoss, CVS.