**Sandeep kumar Bainddla**

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**515-850-2062 JAVA FULL STACK DEVELOPER**

**SUMMARY**

* Senior Java Full Stack Developer with over **8+ years** of software development experience in **Java/ J2EE**, **Spring Boot, Spring MVC, JSP, C, C++, JavaScript, Sql/PL Sql, Struts, Hibernate, iBatis, Web Services**. Involved in complete **SDLC**from inception, planning, design, coding and testing to project closure mainly in the intranet, Internet and standalone application design, development, maintenance and production support in n-tier architecture.
* Designed & developed several multi-tierWeb based, Standalone, Distributed, Client-Server and Multithreaded applications using **OOAD concepts and Service Oriented Architecture** (**SOA**) mostly in **cross-platform** environments.
* Extensive experience in design and development of J2EE applications using **Core Java, Java collection, JDBC, Servlets 2.4/2.5/3.0, JSP 2.0/2.1/2.2, Struts 1.2/2.x, JSF, iBatis, JMS, JSF My Faces, JPA, JNDI, JSTL, JTA, JAX-WS, JAX\_RS, Spring 2.5/3.0/3.1/4.x** and**Hibernate 2.0/3.0/3.x.**
* In-depth understanding of various Design Patterns like **MVC, Builder, Singleton, Service Facade, Service Locator, Data Access Object, Data Transfer Object/Value Object, Business Delegate, Decorator** and **Factory.**
* Experience in Servers **IBM Web Sphere 6.x/7.x**, **Oracle Web logic 9/10/11g, JBoss 6.0/7/7.1, Apache Tomcat server 6.x/7.x/8.x, XAMPP 1.7.x/1.8.x** for development and deployment of web applications.
* Hands-on experience using deployment scripts in **Ant** for deploying J2EE application in **WebLogic, Websphere, JBoss application servers and Tomcat web server.**
* Designed the application by implementing **JSF** Framework based on **MVC** Architecture, simple Java Beans as a Model, **JSP** and **JSF** UI Components as View and Faces Servlet as a **Controller**.
* Experience in implementing **Spring Core, AOP, JDBC, MVC** and **ORM** modules.
* Expertise with employment of **Spring Kafka** and **Zookeeper** apart from **JMS** as messaging service.
* Strong Application Integration Experience using **Mule ESB** with **Connectors**, **Transformations**, **Routing**, **ActiveMQ**, **WebsphereMQ**, **JMS** and **RabbitMQ.**
* Diverse experience utilizing tools in N-tier and Microservices architecture applications using **Spring Boot**, **Spring Cloud config**, **Netflix OSS components, PCF, AWS, Rabbit MQ, Kafka, Zookeeper, Cassandra, My SQL, Restful Web Services**.
* Worked in **Jenkins** for continuous integration of the application and System.
* Development of application server part and writing Groovy scripts for Jenkins.
* Extensive work experience on **RDBMS** concepts and worked with **MySQL, Sybase, Oracle 9i/10g/11g** and **DB2.**
* Proficient in **SQL, PL/SQL** and wrote **Stored Procedures, Triggers**besides writing **DDL**, **DML and** transaction queries with development tools like **Toad.**
* Strong experience with **MongoDB** development (reports, schema design, map reduce functions) and migrations from **SQL** relational databases to **NoSQL** databases like **MongoDB**, **Cassandra** and **CouchDB**.
* Adept in building highly scalable, pluggable and interactive web applications with open source web frameworks like **Struts, Spring MVC** integrating it with Spring and Hibernate.
* Experience in developing persistence layer applications based on **ORM**between Java and Database using **Hibernate**.
* Extensive experience in **AWS** infrastructure architecture and build out.
* Worked on (AWS) infrastructure with automation and configuration management tools such as Chef and Puppet.
* Good knowledge of AWS, Amazon Cloud Services like Elastic Compute Cloud(EC2).
* Expertise in Client Scripting language and server side scripting languages like **HTML, DHTML, CSS, JavaScript, JSTL, AJAX, jQuery, ExtJS, JSON, Dojo, bootstrap, AngularJs and node.js.**
* Good knowledge in **Angular 2.0** directives to create reusable elements and attributes, along with easy to test and maintain client side interactivity in web applications.
* Experience in JUnit framework with **Mockito** and **Easy mock, Spring Junit Runner.**
* Experience in **Agile** software development process, **Test Driven Development** and **Scrum**.

**TECHNICAL SKILLS:**

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| --- | --- |
| Java/J2EE Technologies | **Servlets, JSP, JSTL, JDBC, JMS, JNDI, EJB, JPA** |
| Programming Languages | **Java 8.0/7.0/6.0/5.0, PL/SQL** |
| Application/Web Servers | **WebSphere, Jenkins, JBoss, Tomcat 8, IBM WebSphere 8.x/9.x** |
| Frameworks | **Struts 2.x/1.x, Spring 4.3, Hibernate 3.0/4.x, JSF 1.2/2.0,iBatis** |
| IDEs | **Eclipse, IntelliJ 2017.1, NetBeans 8.0.2, Spring Tool Suite(STS) 3.8.3** |
| Web technologies | **JavaScript 1.8, jQuery 2.11, AJAX, XML 2.2, HTML 5, DHTML, CSS 3, CSS 4, Angular JS 1.0/1.5/2.0, Node js** |
| Web Services | **JAX-WS, JAX-RPC, JAX-RS, SOAP 1.2, WSDL, UDDI , REST 2.2, JAXB, Apache Axis** |
| Methodologies | **Agile, Scrum, TDD(Test-Driven-Development), OOAD, SDLC** |
| Modeling Tools | **UML, Rational Rose** |
| Testing technologies/tools | **JUnit 4.12, JIRA 7.0** |
| Database Servers | **Oracle 9i/10g/11g, DB2, SQL Server 2000/2005/2008, MySQL** |
| Version Control | **GIT, CVS,SVN, Rational ClearCase** |
| Build Tools | **ANT, Maven 3.3.9, Gradle 3.4.1** |
| Platforms | **Windows , Mac, LINUX, UNIX** |

**PROFESSIONAL EXPERIENCE**

**Client: Goldman Sachs ,Salt Lake City ,UT April 2017 to Present**

**Role: Senior Java/Full stack developer**

**Description:** E-guidelines IT implements and maintains the client investment guidelines for all asset class(Fixed income, Equities, Money Market, Currencies and Commodities) and all regions ( NY , LN,ASIA) using sentinel tool . Sentinel checks orders and portfolio holdings for compliance with client mandates , account regulations and management restrictions . Sentinel takes the accounts , products ,credit ratings, benchmarks and market data to evaluate the rules and generate the exceptions are reviewed by Ops and compliance using Exception Management workflow tool to make sure the transactions are compliant with client guidelines

**Responsibilities:**

* Expertise in analyzing and resolving Cross-Brower compatibility issues and provides coding solutions to reusability problems.
* Developed using new features of **Java8 Annotations, Generics, enhanced for loop** and **ENUMS.**
* Used **LINQ** to **Entity Framework** using lambda expressions for communicating between business layer and database and Coded in java 1.8
* **Java8 Stream API** for Bulk Data Operations on Collections using both **streams** and **parallel streams**.
* Developed front end web applications by using web technologies such as **AngularJS**, **Html5, CSS3, JavaScript**.
* Developed Angular functionality in the application to provide two-way binding to the system
* Developed single page applications using ng-route module in **Angular 2**.
* Used customized services and directives in **AngularJS** to develop dynamic and responsive webpages.
* Built the template, pulled agent information from **JSON** object and rendered it onto the widget.
* Used TypeScript to add optional types, classes, and modules to **JavaScript**.
* Installed Pivotal Cloud Foundry (PCF) on EC2 to manage the containers created by PCF and used Docker to virtualize deployment containers and push the code to EC2 cloud using Pivotal Cloud Foundry.
* Wrote JMS class to transfer the orders between agents and policy holders.
* Used JMS using RabbitMQ to report failure of connectivity between Quad instance and other components in Cluster.
* Debug the application using Firebug to traverse the documents and manipulated the Nodes using DOM and its Functions.
* Developed **SOAP** and **REST** web services using **Java, Hibernate, JAX-WS, JAX-RS and JAXB.**
* Rest services templates are generated using swagger specifications.
* Following **Agile methodology (SCRUM)** during development of the project and oversee the software development in Sprints by attending daily stand-ups.
* Implemented business logic using **Spring service layer** and **Spring DAO layer using Spring Framework.**
* Configured Spring declarative transaction manager and implemented transaction management in DAO layer.
* Integrated **Spring** and **Hibernate**, configured logging using **log4j** and developed exception handling for the application.
* Wrote **Hibernate** Criteria queries for data retrievals and have performed **the ORM mappings** to map java entities to database tables.
* Build, deployed and auto scaling experience in Pivotal Cloud Foundry (PCF) for our applications.
* Used **Spring IOC** as Dependency Injection.
* Used **Microservice architecture** with **Spring Boot-based services** interacting through a combination of **REST and Apache Kafka** message brokers.
* Implementing and debugging code in groovy and rat-pack for micro services for giving flexible callback, polling mechanisms between external micro services.
* Developed Micro services using **Spring MVC, Spring Boot, Spring Cloud**, **Spring AOP, Dependency Injection.**
* Deployed **Spring Boot** based micro services **Docker** container using **Amazon EC2 container services** and **using AWS admin console.**
* Created computing and data resources on **AWS** using **EC2**.
* Utilized **AWS Lambda** platform to upload data into **AWS S3 buckets** and to trigger other Lambda functions.
* Implementation of Hystrix circuit breaker to avoid loss of messages during handling of messages at the consumer level.
* Implementation of **Zuul proxy** as the **API gateway.**
* Experience with basic **WebSphere** Administration- like **Data Source Configurations, Listener port configurations, JVM Property Configuration, Certificates Configuration, deploying EAR’s into various environments (TEST, PILOT) through Admin Console**, etc.
* Worked on the Spring Boot based services interacting through a combination of REST and Apache Kafka message brokers, utilized then to build the Real-Time Data Pipeline using Apache Storm data analysis.
* Implement Persistence layer using **Hibernate** and writing **SQL** queries based on **Hibernate** criteria API.
* Used **Oracle 11g** as a database in the backend.
* Developed **Pl-Sql** store procedures to convert the data from **Oracle** to **MongoDB.**
* Developed **UNIX** scripts to run the file validations, automate file manipulation.
* Performed Unit testing using thru URLs, **JUnit** and also by making calls into the system.
* Used **JSON** for serializing structured data.
* Configure **Jenkins**build jobs for Continuous Integration and for regression testing.
* Used **GIT** for version control and involved in writing the build scripts using **Maven.**
* Creating unit test strategy, preparing test environments and test cases.
* Prepared documentation for some of the recurring defects and resolutions and business comments for those defects.

**Environment: Java 1.8, Java EE, Hibernate4.2, Spring4, Spring Boot, Spring MVC, JPA, TypeScript, Maven, RESTful Web services, JAX RS 1.1, Jersey 1.6, VXML, Web Services1.3, HTML5, CSS3, RabbitMQ, PCF, JavaScript, AJAX, Apache, JSON, Node.js, Angular, bootstrap, XML/XSL, Oracle 11g, JUnit, JAXB, WSDL, UDDI, GIT, Groovy, Tomcat, Log4j, SQL,Putty, AWS, Docker, Jenkins, IntelliJ, Firebug, Unix and Windows 7**.

**Client: Master card -O’Fallon,MO January 2016 to March 2017**

**Role:Senior Java/Full stack developer**

**Description:** WellThe E-service Online project is designed and developed for MasterCard Worldwide customers. The Online Reports application to provide MasterCard customers an online view into their mandatory as well as optional reports. MasterCard customer users can request access to the Online Reports tool including the ability to view/export/print specific mandatory and/or options reports. The Online Reports tool receives and loads reports into eService database. The reports are received from provider systems. This tool has billing feed process to provide accuracy & flexibility to handle different kinds of billing models

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
* Generated Use case diagrams, Class diagrams, and Sequence diagrams using **Rational Rose**.
* Developing and editing user Interface Screens using **JSP, HTML5.0, JavaScript and node.js.**
* Improve presentation of webpages **CSS 3.0, Adobe Flash and JQuery plug - INS.**
* Creating custom, general use **modules and components,** which extend the elements and modules of core **AngularJS.**
* Used **Twitter Bootstrap** to create responsive web pages, which can displayed properly in different screen sizes.
* Developed the applications using **Java, J2EE, Struts, JDBC**
* Developed **Struts Action classes** using Struts controller component.
* Created **struts form beans, action classes, JSPs** following **Struts framework standards**.
* Used **Jackson** which is a **JSON** processor for both generation and parsing of JSON representations of Java objects
* Used display tag libraries for decoration and used display table for reports and grid designs.
* Worked on core java, using file operations to read system file (downloads) and to present on **JSP**.
* Involved in the development of underwriting process, which involves communications without side systems.
* Used **IBM Operational Decision Manager** to **designing a rule project** and **deploying rules to a runtime environment**.
* Developed enterprise reference architecture, SOA & Cloud strategy in a **SaaS** driven enterprise business model.
* **Used PL/SQL** stored procedures for applications that needed to execute as part of a scheduling mechanisms.
* Developed and debugged the **Servlets** with **JOBSS.**
* Implemented the application using **design patterns** such as **Session Façade**, **Business Delegate**, **Bean Factory, Adaptor** and**Singleton**.
* Used **ReactJS** to create views to hook up models to the DOM and synchronize data with server as a **Single**

**Page Application (SPA).**

* Developed and implemented **Swing, spring** and J2EE based MVC (Model-View-Controller) framework for the application.
* Developed applications to asses **JSON and XML** from **Restful** web services from consumer side using **ReactJS.**
* Designing and implementing scalable, **RESTful and microservices** based mobile back-end. The back-end is being written in Java using **Spring Boot** for simplicity and scalability.
* Used **Spring JDBC** to retrieve the data and represented the data in the form of tree which has seven hierarchies and implemented drag and drop functionality to it.
* Implemented pre-authentication and data base security using **spring security**.
* Used **Apache Camel** for messaging technology glue with routing. It joins together messaging start and end points allowing the transference of messages from different sources to different destinations.
* Used **Spring Batch** as spring batch jobs can meet the requirements of reliability, robustness, and traceability, which are essential for automatic processing of large amount of data.
* Used **SAX XML API** to parse the XML and populate the values for a bean.
* Used **Jasper** to generate rich content reports.
* Implemented persistence layer using **Spring JDBC** that use the **POJOs** to represent the persistence database tuples. These POJOs are serialized Java Classes that would not have the business processes.
* Assisted in planning, installation and execution of new **JRules ILOG server, application server and Team server** and developed designs and strategies for business rules and address problems including configuration of ILOG Rules.
* Involved in building a **scalable email system** using amazon simple email service, s3 for handling heavy loads.
* Worked on **Pivotal Cloud Foundry(PCF)** to host **Cloud based Applications**.
* Experience in re-architecting monolithic architecture service into **micro services** based architecture using spring boot and **pivotal cloud foundry(PCF)**.
* Worked on **Mongo DB** concepts such as **locking, transactions, indexes, replications, schema design.**
* Implemented multiple high-performance **Mongo DB replica set.**
* Worked with other **NoSql**and **Big data technologies** such as Cassandra and Hadoop
* **Apache Ant** was used for the entire build process.
* Used **Mockito** for unit tests development of **Test-driven Development (TDD).**
* Deployed the application in **JBOSS** production server running in **Linux platform.**
* Used **log4j** for logging errors in the application.
* Involved in **JAD** sessions to gather requirements from the end clients.
* Used **GIT** as version management, **JIRA** for defect management system
* Involved in **unit testing**, **troubleshooting** and **debugging**. Modifying existing programs with **enhancements**.
* Involved in **fixing bugs** the bugs or defects in the application.
* Successfully executing **offshore modeling** by effective and on time knowledge sharing with offshore project groups through weekly team meetings and daily status update calls.
* Worked as the part of a core team to monitor and enhance the performance of the application.
* Provide guidance and direction to team members in their day-to-day activities.

**Environment: EJB3.0, Spring, JSP1.2, Servlets2.1, Jasper reports, IBM MQ, XML, REST, JDBC, JavaScript, XSLT, XML, UML, HTML, JNDI, Python, SaaS, Apache Camel, Jackson, Spring Boot, JBoss 6.x, Apache, ClearCase, Drools, Log4J, ANT, Swagger, Mockito, MongoDB, Eclipse, Pivotal Cloud Foundry.**

**Client: Acadian Asset Management- Boston, MA September 2013 to December 2015**

**Role: Java Full Stack Developer**

**Description:** The portfolio deals with the Risk Technology of the Bank. Risk Rating Scorecard Analytics is designed to develop data services for stake holders/bank advisors by improving algorithm using more suitable programming languages. Using data from various sources, the application produces reports like Executive reports, Scorecard Inventory, Annual Assessment and detailed reports. This system includes mainly two modules - one for data entry of different entities including report management system which is a distinct module performing reporting activities and the other, a query module which inquires in an organized manner specific to organized to consolidate and persist as a metadata. To implement the same, usage of Spring 3.x, Rest Web Services and AWS were used to integrate with various internal applications to accomplish the functionalities.

**Responsibilities:**

* **Experienced with Software Development Life Cycle(SDLC) with object oriented of business process and worked on developing Service oriented architecture applications in agile development environment.**
* **Developed Web applications in MVC architecture using Spring Framework.**
* **Implemented logging in the application using Spring Framework AOP module to know the application status. Used Spring DAO module for performing CRUD operations on database.**
* **Spring MVCFramework IOC design pattern to provide relation between application components. Separated application configuration and dependency specification from actual application code.**
* **Developed REST web services using Spring MVC to extract client related data from database and used SOAPUI for testing these RESTFULAPI web services.**
* Familiarity with **Service Oriented Architecture (SOA)** by developing and consuming **RESTful** web services based on **JAX-RS** and **Jersey**.
* Used Docker to virtualize deployment containers and push the code to EC2 cloud using **PCF**.
* Wrote corresponding one-one **REST** methods to implement respective change requests (change appliers)
* Implemented the **Web Service** client for the login authentication, credit reports and applicant information using **JAX-WS 2.0** and **Apache Axis 2**.
* Called external vendor applications using **Web Services** for delivering notifications.
* Created **SOAP** based web service using **JAX-WS** and tested service using **SOAP UI**.
* Tested **REST** services using google chrome’s **POSTMAN** plugin.
* Worked on **JUnit** for creating test cases for all the Business Rules and the application code.
* **Experienced with setting up the basic project setup from scratch using Spring-Hibernate based design.**
* **Posted messages to external vendor sites usingApacheCXFand exposed services to other client applications.**
* **Worked on JPA as persistence layer, involving EJB annotations to synchronize with database through XML.**
* Used **JIBX** binding to convert Java object to **XML** and vice-versa.
* Deployed the application in **JBoss** Application Server.
* **Developed UI using HTML, JSF, jQuery and JavaScript and used Ajax in few applications.**
* **Developed CSS sheets for developing user aesthetic UI components.**

**Environment: HTML, JSF, jQuery**, **JavaScript**, **ApacheCFX, JBoss, Spring 3.x, Hibernate 3, PCF, Spring MVC, SVN, SOA, RESTful, JAX-RS, Jersey, SoapUI, JAX-WS, Apache Axis 2, JUnit, Web services, JiBX, Postman, Agile.**

**Client: First Nation Star Mortgage - Detroit, MI July 2012 to August 2013**

**Role: Java/J2EE Developer**

**Description:** The project consisted of developing and maintaining services of chase move money services like quick pay, bill pay, home loan accounts, mortgage accounts etc. the services were developed maintained and tested for the devices and the web. The move money services help general users and investment users, to carry monetary transactions among friends, family and to manage loans and pay bills. We worked on the architectures, services and the front-end UI for each of the applications.

**Responsibilities:**

* Worked on **Agile** Scrum development lifecycle with 2-week sprints, fast-paced deadlines to implement new features and get it deployed to prod every 2 months
* Configured **Spring MVC** from scratch using **XML configurations, namespace handling, spring security** setup and giving access to resources.
* Developed the view components using **JSP, HTML, Struts Logic** tags and Struts tag libraries & Involved in developing the **CSS** sheets for the UI Components.
* Used Hibernate in **persistence layer**, written **hibernate mappings using Annotations, HQL.**
* Used **Hibernate Annotations** to reduce time at the configuration level and accessed **Annotated bean** from **Hibernate DAO layer.**
* Involved in designing and implementation of **Session Facade, Business Delegate, Service Locator** patterns to delegate request to appropriate resources.
* Involved in the testing of the web services to establish time taken to attach and send huge PDF.
* Spring boot and REST services are implemented while developing web-based applications.
* Extensively used MVC, **Factory**, **Delegate** and **Singleton** design patterns.
* Used **Java 1.4** for the compilation.
* 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.
* 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** &**JavaScript, AJAX, JSON**.
* Developed Struts based presentation layer, **hibernate** based **DAO** layer and integrated them using **Spring Dependency injection, ORM and Web modules**
* **SOAP** has been used as a protocol to send request and response in the form of XML messages.
* Used **Spring Framework** for Dependency Injection and integrated it with the **Struts Framework** and **Hibernate**.
* Wrote database queries using **SQL** and **PL/SQL** for accessing, manipulating and updating Oracle database.
* Used **Clear Case** to merge code and deploy them in to a central depository location.
* Wrote **Ant Scripts** to automate the build and deploy process.
* Involved in Unit integration, bug fixing, acceptance testing with test cases, Code reviews.

**Environment: Struts 2.0, Hibernate 3.0, JSP, JavaScript, SOAP, Oracle, PL/SQL, Eclipse, Bean, Junit, JBOSS, Struts, DAO, AOP Spring, MVC Spring**

**Client: MassMutual Financial Group - Enfield, CT November 2011 to June 2012**

**Role: Java Developer**

**Description:** The Policy Processor (TPP) is an underwriting system which integrates with data entry system, agent processing system and admin system, as a Sr. J2ee**.**

**Responsibilities:**

* Designed the application using the J2EE design patterns such as**Singleton, Business Delegate, Service Locator,**

**Value Object, Value List Handler,Session Façade.**

* Developed Use case diagrams, Object diagrams, Class diagrams, and Sequence diagrams using **UML**.
* Developed presentation tier as **HTML, JSPs** using **Struts** Framework.
* **Developed the middle tier using EJBs.**
* Developed **session, entity beans and message driven beans**.
* Entity Beans used for accessing data from the **SQL Server** database.
* **JQuery** opinionated about how a CRUD (Create, Read, Update, Delete) application should be built.
* Prepared high and low level design documents for the business modules for future references and updates.
* Deployed the application on **WebSphere** application server in development and production environment.
* Undertook the Integration and testing of the different parts of the application.
* Developed automated Build files using ANT.
* Used **Subversion** for version control and **log4j** for logging errors.
* Code Walkthrough, Test cases and Test Plans.

**Environment: Java/J2EE, Struts 1.2, Tiles , EJB, JMS, Servlets, JSP, JDBC, HTML, CSS, JavaScript, JUnit, Websphere 7.0, Eclipse, SQL Server 2000, log4j, Subversion, Windows NT**

**Client: CCNET – HYD June 2009 to October 2011**

**Role: Java Developer**

**Description**: Host Management is designed with multiple levels of administration including admin, reseller, end user, and email-based interfaces. These multiple levels provide security, ease of use, and flexibility for everyone from the server administrator to the email account user. WHM powers web hosting companies and organizations that have a need to automate and offer competitive hosting services.

**Responsibilities:**

* Involved in the **Requirements collection & Analysis** from the business team.
* Created the design documents with **use case diagram, class diagrams, and sequence diagrams** using **Rational Rose.**
* Implemented the MVC architecture using Apache **Struts1.2** Framework.
* Implemented **Action Classes** and **server side validations** for account activity, payment history and Transactions.
* Implemented views using **Struts tags, JSTL2.0** and **Expression Language**.
* Implemented **Tiles Framework** for the **views layout**.
* Implemented **session beans** to handle **business logic** for fund transfer, loan, credit card & fixed deposit modules.
* Worked with **JAXB**, **SAXP** and **XML Schema** for exporting data into XML format and importing data from XML format to data base and **JAXB** in the web service's request response data marshalling as well as marshaling process.
* Implemented**web services** client to consume the third-party service API for validating credit cards. Used **XMLWeb Services** using **SOAP** to transfer application that is remote and global to different financial institutions.
* Used **JMS** for reliable and asynchronous exchange of important information such as payment status report.
* Developed **Unit test cases** using **JUnit.**
* Developed **Ant scripts** and developed builds using **Apache ANT.**
* Used **Log4J** to capture the log that includes runtime exceptions.
* Used Clear **Case** for **source code maintenance**.

**Environment: J2EE, Java, Struts, Tiles, JSP, JNDI, Clear Case, SOAP, WSDL, UDDI, JAXB, JAXP, Schema (XST), EJB 2.0, ANT, JavaScript, JMS, Rational Rose, WSAD, DB 2.**