Pavan Kumar

Java Full Stack Developer

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**Professional Summary**

* **8+** years of experience in the field of information technology particularly in designing and developing in web applications.
* Skilled in Web designing & development using **Google Web Toolkit, JSP, PHP, JSF, Ajax, Bootstrap, JavaScript, JSON, JQuery, HTML, DHTML** and **CSS**
* Good understanding in JavaScript framework like **AngularJS, Node.JS** and **BackboneJS.**
* Extensive knowledge in working with **J2EE** technologies such as **Servlets, JSP, JDBC, EJB, JavaBeans** and **Object Oriented** Programming techniques.
* Expertise in developing applications using **Core Java** concepts like **OOPS, Multithreading, Garbage Collections, Exception Handling, Reflection,** **Streams** & **File I/O.**
* Proficient in working with **MVC** frameworks such as **JSF, Struts** & **Spring MVC** and persistent frame works such as **Hibernate**.
* Extensive experience with Frameworks in **Struts, ORM (Hibernate)** and **Spring (Spring MVC, Spring Context, Spring DAO, Spring ORM, Spring Security).**
* Good experience on **J2EE Design Patterns** like **Singleton Factory Method, DAO, Session Facade, Front Controller** and **Delegate Pattern.**
* Profound Knowledge in **XML** related technologies like **JAXP, JAXB, XML, XSL, XSLT** and **XML Schemas.**
* Good Knowledge in transaction management, distributed transactions **Java Transaction API(JTA), Java Persistence API (JPA)**
* Experience in deploying and configuring application servers such as **WebSphere**, **WebLogic**, **Jboss** and **Apache** **Tomcat**.
* Experience implementing **Enterprise Java Bean (EJB**) as a middle layer for communication with database servers.
* Strong experience in writing **PERL** scripts covering data feed handling, implementing business logic, communicating with web-service
* Strong knowledge in **SOAP, JSON, WSDL** and **RESTful** for exchanging structured information in the implementation of web services.
* Cloud computing experience in **AWS** (Amazon Web Services) in application migration to the cloud.
* Extensively used **MyBatis** for Data Access Layer and **SQL**, Oracle **PL/SQL** for **DML** operations
* Experience with major databases such as **Oracle, DB2, MYSQL, PL/SQL** and **MS SQL** Server.
* Strong experience on software development methodologies like **Waterfall, Agile** development and **Rapid Application Development(RAD)**
* Possess advanced knowledge of **object-oriented Analysis**, design and development (OOA/OOD).
* Involved in **Agile** Software Development Team using **SCRUM, TDD** (Test Driven Development).
* Extensively worked on version controls like **GitHub**, **SVN** and good exposure to **IDE** tools like **Eclipse**, **Net** **Beans** and **IntelliJ**.
* Profound knowledge on **Maven, ANT** as build script for application build and deployment.
* Worked exhaustively with **Selenium** **web** **driver**, **Geb** to automate testing on different web browsers and Implemented source control tools like **GitHub**
* Experienced in using source code version control tools **SVN, GIT** and **CVS**.
* Sound knowledge on continuous integration tools like **Jenkins, Quick Build** and **Bamboo**
* Experienced in working with different operating systems **Windows, UNIX** & **LINUX.**

**Technical Skills**

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| --- | --- |
| **Programming Languages** | JAVA/J2EE, PL/SQL, C / C++, C#, XML |
| **Frameworks** | J2EE, Struts, Hibernate, Spring, EJB (Stateless Session Beans), Entity Framework, .NET Framework. |
| **Web/XML**  **Technologies** | HTML, JavaScript, AJAX, Servlets, JSP, XML, SOAP, XSD, Rest, Web services, SOA, AJAX, JQuery, Bootstrap, Node.JS, AngularJS, Restful, JNTI, Java Mail, JSON |
| **Tools & Utilities** | Eclipse, RAD, PL/SQL Developer, Maven, GWT, Microsoft Visio, Firebug, Log4J, FileZilla, SQL Server management studio, Selenium web driver, ANT, webstrom, npm, bower, Grunt |
| **Methodologies** | SDLC, RUP, Agile (Scrum/Extreme Programming) |
| **Patterns** | Singleton, MVC, Session Façade, Service locator, DAO |
| **Application/Web Servers** | Apache Tomcat, IBM WebSphere, SQL Server, WebLogic, Jboss. |
| **RDBMS** | Oracle PL/SQL, MySQL, MongoDB, DB2. |
| **Continuous Integration Tools** | Jenkins, Maven, ANT, Quick Build, Bamboo |
| **Source Control** | Team Foundation Server, SVN, CVS, GitHub |
| **Operating Systems** | Windows XP/Vista/7/8/10, LINUX, UNIX, OSX |

**Professional Experience**

**John Deere, Columbia, MD Nov 2015- Present Role: Java Full Stack Developer**

John Deere is an American corporation that manufactures agricultural, construction, and forestry machinery, diesel engines, drive trains (axles, transmissions, gearboxes) used in heavy equipment, and lawn care equipment.

**Responsibilities:**

* Design, code, develop and test our enterprise-level Java application
* Used **Agile** methodology for the software development process.
* Developed Modules for the Front-end applications and integrating them to the Back-end using **Spring** & **Hibernate** framework.
* Developed UI screens for major module using **AngularJS, HTML5, CSS3, jQuery,** **Bootstrap** and **Java Script**
* Writing the front end look and appearance for the screens using **Javascript, AJAX**, and **jQuery**
* Developed components to render the user interface using **Angular**/**Typescript** & **HTML**.
* Developed **JSP** and **HTML5** pages using **CSS3** as part of the presentation layer.
* Developed the application using **Core Java** concepts like **Collections**, **Multithreading**, OO concepts, Exception handling for developing application modules.
* Used **core** **java** extensively with **Multithreading** and **Collections**.
* Designed and Developed new features and enhancements for credit products using various **design** patterns primarily working with **Core** **Java**, **JSP**, **Servlets**
* Implemented **MVC** architecture by using **Spring MVC** to send and receive the data from front-end to business layer.
* Implemented **Spring MVC**, **dependency Injection (DI)** and **Aspect oriented programming (AOP)** features along with spring data.
* Implemented the business layer by using **Hibernate** with **Spring DAO** and also developed mapping files and **POJO** java classes using **ORM** tool.
* Implemented Persistence layer using **Hibernate** **JPA**.
* Involved in using **JPA** (Java Persistence API) frameworks and **APIs** such as **JDO** (Java Data Objects) and **Hibernate**
* Testing the functionalities in terms of requests and responses for the front-end **JSON** files.
* Developed messaging Components using **Spring** Integration and **JMS** to send messages from one application to other application internally.
* Involved in **Spring Restful** **API** Design & development to make other systems interaction.
* Developed **RESTful** Web Services using **JAX-RS** and consumed the Web Services to retrieve data from different applications using **RESTful** protocol
* Used **Data Access Object (DAO)** pattern to introduce an abstraction layer between the business logic layer and the persistent layer.
* Expertise in using **AngularJS** and **RESTful** web services and implemented connection pooling for database access
* Worked with **JDBC** programs using **Oracle** and **MySQL** databases and developed **SQL** and **PL/SQL** for Oracle to process the data.
* Involved in the implementation of **DAO** using **Spring-Hibernate ORM.**
* Developed **Hibernate** entity **POJO's** and **DAO's** based on Database Schema.
* Used **GIT** as source control tool for branching, merging and maintain code versions in the repository enabled using **Maven** Versioning Capability.
* Used **JUnit** framework for unit testing of application and **Log4j** to capture the log that includes runtime exceptions.
* Used **SVN** for version control and used **Eclipse** as the IDE for developing the application.

**Environment**: Java, J2EE, JDK, Core Java, Spring, JMS,UNIX, JVM, AJAX, Oracle PL/SQL, REST, Angular, XML, JPA, Restful, Agile, Log4j, Maven, Bootstrap, Eclipse, CSS, Multithreading, AngularJS, Ajax, JIRA, Javascript, DAO, HTML, jQuery, JAX-RS, JSON, JSP, Oracle, SVN, Maven, Hibernate.

**Jenny Craig, San Diego, CA May 2014 – Sep 2015**

**Role: Java Full Stack Developer**

Jenny Craig, Inc., is a [weight loss](https://en.wikipedia.org/wiki/Weight_loss), weight management, and nutrition company which began its operations in the U.S from 1985. Jenny Craig program is designed to provide structure and support to help members lose weight and learn how to keep it off.

**Responsibilities:**

* Participated in the design review of the system to perform Object Analysis and provide best possible solutions for the application.
* Involved in full life cycle of the application development using **Agile**/**SCRUM**.
* Involved in writing **BRD's** and **TDD** for the services and supporting the module till post production.
* Involved in front end validation using **JSF** Validation and **JavaScript**.
* Developed various **AngularJS** directives to help build the functionality and **UI** behaviour using **JavaScript** and **jQuery.**
* Developed the web interface using **Angular-JS, Bootstrap, HTML, CSS, JavaScript** and **JQuery**.
* Involved in development in **core** **java** using Collections (Hash Map, List).
* Developed Business components using Java **Objects**, **Core** **Java**, **Multithreading**, **Servlet**, and **JSP**.
* Developed various helper classes using **Core** **Java** **multithreading** programming and **Collection** classes.
* Used core java concepts like **collection** frame work, **multithreading**, **OOPS** and **Exception** **Handling**
* Coded and implemented enterprise application using combination of **Java, J2EE** technologies like **JSP, Html, Javascript, Struts, Spring MVC** and **Hibernate** Running on **WebSphere.**
* Designed and Developed Module based persistence layer under the guidance of **DAO** design pattern, **ORM**/**JPA** principles, using **Hibernate** and **JPA**.
* Implemented **Spring** **MVC** framework which includes writing Controller classes for handling requests, processing form submissions and also performed validations using Commons validator.
* Involved in developing **Hibernate** mapping files and **POJOs** for **Hibernate** persistence layer.
* Used **SOAP** Web Services for checking customer information like names (NA) and credit checks.
* Worked on automated **web** **services**, testing for both **REST** and **SOAP** based **API**.
* Customized **RESTful** WebServices using **Spring RESTful API**, sending **JSON** format data packets between front-end and middle-tier controller.
* Involved in implementing **Restful** and **SOAP** web services using technologies such as **JSON**, **SOAP**, **XML** and **JAXB**.
* Performing Information Security testing of Guest data which will be sharing to other integrated systems via **SOA** service and **RESTful** services
* Created Maintenance plans as necessary for **SQL** Servers for various environments, like rebuilding the **indexes**, update statistics and Backups for system database and user database.
* Used **JDBC** connection pooling for accessing **Oracle** database.
* Developed **SQL** Queries and **PL/SQL** code (procedure, function) for implementing the Business logic to update the data in Database.
* Developed **ANT** build scripts for deploying the project on **WebSphere** application server.
* Created **JUnit** test cases using **JUnit** framework for doing **Unit** Testing for all of my deliverables.
* Used **Maven** to build the application and **GitHub** for version control.

**Environment**:  Java, Core Java, J2EE, HTML, SQL Server, UNIX, JVM, CSS, JSP, JSF, Oracle PL/SQL, JPA, REST, TDD**,** Restful, Agile, JavaScript, Servlets, JQuery, Hibernate, Maven, GWT, Multithreading, Bootstrap, Node.JS, AngularJS, SQL, Oracle, SOAP, JUnit, JDBC, MQ Series, JIRA, Jenkins, WebSphere

**Goodrich Aero Structures, San Diego, CA Mar 2013 – May 2014**

**Role: Java Full Stack Developer**

Goodrich Aerospace Systems is one of the world’s largest suppliers of technologically advanced aerospace and defense products. We design, manufacture and service systems and components and provide integrated solutions for commercial, regional, business and military aircraft etc.

**Responsibilities:**

* Understanding the business requirements and preparing the design document.
* Participated in all the phases of the system including designing, coding, testing, building, deployment and supporting the production environment.
* Used a Test Driven Development (**TDD**) approach to build webpage/app functionality
* Experience in all phase of **SDLC** like Requirement Analysis, Implementation and Maintenance, and extensive experience with **Agile** Methodology.
* Developed the presentation layer and **GUI framework** based on **spring** framework involving **JSP, HTML 5, JavaScript, Bootstrap, AJAX, CSS 3, AngularJS** and **Node.JS.**
* Involved in the implementation of user interface using **AngularJS** and **HTML**, **CSS**, **jQuery,** **Java** **script**, **AJAX**.
* Used Core Java topics to design and developing web application using **Multithreading, Collections** and **J2EE** technologies.
* Worked excessively on **Core** **Java** concepts like **polymorphism**, **inheritance**, **serialization**, **synchronization**, **multithreading** and **exception** **handling**
* Developed event and event handlers and object initializing using **Spring IOC** framework
* Developed **MVC** framework by writing action classes and light weight business logic classes using **Struts2 framework** and **Spring MVC framework.**
* Used **Spring** **MVC** with Spring **Restful** Template to Produce and consume **Restful** Web Services.
* Developed various Database interaction objects by implementing the **DAO** patterns and used **JDBC** as Model Component.
* Worked with Oracle **PL/SQL** developers to repair and enhance current base of **PL/SQL** packages to fix.
* Worked on automated **web** **services**, testing for both **RESTful** and **SOAP** based **API**.
* Developed database access mechanism by using by **Hibernate ORM** framework.
* Configured **WebLogic** resources like **JDBC** providers, JDBC data sources, connection pooling, and **Java Mail sessions (JMS).**
* **Oracle** used as backend Worked on **SQL** queries for persistence of Business Objects using JDO as **ORM**.
* Involved in creating different **SQL** scripts, worked on some of the core query operations using **DB2.**
* **GitHub** is used as code repository and **JIRA** to assign, track, and report the issues in the application.
* Used **Jenkins** for continuous integration
* Developed test suites using **Junit, TestNG, Mockito** frameworks.
* Developed and used **MAVEN** build scripts to compile, package and deploy the application.
* Deployed the Application as part of every monthly release on **WebSphere** Application Server.
* Developed test cases and performed unit testing using **Junit** and involved in debug

**Environment**: Core Java, Java, J2EE, HTML, SQL Server, CSS, JSP, JSTL, XML, JSF, JavaScript, Servlets, JQuery, Hibernate, Maven, Spring IOC, JVM, Spring MVC, Oracle PL/SQL, Multithreading, WebLogic, Restful, Bootstrap, DB2, AngularJS, SQL, Oracle, UNIX, SOAP, Agile, JAX-WS, JUnit, JDBC, JIRA, Jenkins, WebSphere

**AbbVie Labs, Chicago, IL May 2012 – Feb 2013**

**Role: Java Developer**

AbbVie is a child company of Abbot Labs which is making a mark of its own. AbbVie is a [pharmaceutical company](https://en.wikipedia.org/wiki/Pharmaceutical_company) that discovers, develops, and markets both biopharmaceuticals and small molecule drug

**Responsibilities:**

* Involved in Analysis, Implementation, and Maintaining, Development testing phase of the **SDLC.**
* Participated in **SCRUM**, sprint meetings, track sprint progress, design reviews, and suggest process improvement.
* Implementing complex deliverables in Test Driven Development (**TDD**) approach
* Worked with **Agile Methodology (SDLC),** involved in daily scrum meetings, sprint planning, product backlogs
* Involved in developing front end screens using **JSP, JPA, Struts View Tags, EJB, JSTL, JSON, XML, XSLT, DHTML, HTML, CSS, AJAX,** Web2.0 technologies, **JavaScript.**
* Created the front end using **JSP, HTML, XML,** and advanced **JavaScript.** Used **Oracle** as backend
* Extensively using **core java** concepts like **Collections Framework, Multithreading, OO concepts, Exception handling** for developing application modules.
* Design and developing web application using **core Java** and **J2EE** technologies.
* Extensively participated in application integration. **Spring** **MVC** is used to integrate **Struts** and **Hibernate.**
* Developed the presentation tier of the application using **Struts** framework and **MVC** design pattern.
* Configured the **Hibernate ORM** framework as persistence layer for the backend by using hibernate.confg.xml
* Designed and developed **DAO'**s for accessing the POJO's and updating the DB tables using the POJO’s, Java Collections and Synchronization etc.
* Developed Action Classes, Action Form Classes, created **JSPs** using **Struts** tag libraries and configured in **Struts-config.xml**, **Web.xml** files.
* Used Hibernate object relation mappings (ORM) for the database operations on **MySQL.**
* Implemented JMS based **SOAP** Web service suing **Spring CXF, JMS config**
* Modified web pages using **JSP** and Used Struts Validation Framework for form input validation.
* Used custom components using **JSTL** tags and Tag libraries implementing struts
* Developed **RESTful** services using **Spring MVC** and Used **JAXB** **API** for **XML** parsing.
* Worked on **Restful** **API** and invoked web services (consumed) that are based on **EJBs**.
* Implemented and used Web Services with the help of **WSDL, SOAP** and **JAX-WS** to get updates from the third parties.
* **JSP** Content is configured in **XML** Files for Developing Deployment descriptor files.
* Configured and deployed the application on JBoss application Server.
* Used WebLogic server for deploying the war files. Involved in **Unit** and System Testing using **Junit** before placing the application for the Acceptance Testing.
* Used **Jenkins** to build, package and deploy the application and used **Log4j** for the Logging.
* Developed server-side scripts in shell to customize **GIT** and integrate it with tools like **Bugzilla, JIRA** and **Jenkins**

**Environment:** Java, J2EE, Core Java, JSP, JSF, Servlets, JVM, SQL Server, Struts, Agile, Hibernate, TDD**,** REST, JBPM, Drools, SQL, Springs, JQuery, JNDI, JMS, Oracle, JBOSS, ANT, XML, UNIX, Java Script, HTML, CSS, Multithreading, Windows, WebLogic, Eclipse, Jenkins, Log4j, Google Maps API, AJAX, SOA, JSON

**Bank of New York Mellon, Wilmington, DE Jan 2011 – April 2012**

**Role: Java Developer**

[The Bank of New York](https://en.wikipedia.org/wiki/The_Bank_of_New_York) Mellon is the [oldest American financial and banking corporation](https://en.wikipedia.org/wiki/List_of_oldest_banks_in_continuous_operation) that offers innovative banking products and services with unmatched accessibility and security. It provides wealth management, private banking, investment management, wealth & estate planning and more.

**Responsibilities:**

* Developed Application based on **J2EE**using **Hibernate, spring, JSF** frameworks and **SOAP/REST** web services, Web Sphere Integration Developer (WID) Tool to develop WPS components.
* Implemented business layer using **Core java, Spring Beans** using dependency injection, Collections Multithreading,spring annotations, and **Spring MVC** components
* Developed Interactive GUI screens using **HTML** and **JSP** and data validation using Java Script.
* Developed UI using **JSP** and **AJAX** Call in **JSP** pages, business implementation in **Servlets** and **Struts** action class.
* Established a **JSON** contract to make a communication between the **JS** pages and java classes.
* Created **Spring MVC** components like Dispatch servlets, configure Request mapping annotation controllers, view resolver components.
* Used **Spring** **Beans** to encapsulate business logic and Implemented Application MVC Architecture using **Spring** **MVC** framework.
* Involved in writing **Spring** **Configuration** **XML** file that contains object declarations and dependencies.
* Used **AngularJS** as a **JavaScript** library to bind data on html elements and integrated with **REST** based services returning **JSON** data.
* Deployed the application on to **Apache Tomcat** application server.
* Used **MySQL** database for data persistence.
* Worked on **JAX-WS, JAXB** Web Services using **SOAP** and **JAX**-**RS**, Jersey for Restful WebServices.
* Worked on **Agile, SCRUM** development methodology and built the application with Test Driven Development (TDD).
* Implemented the logging framework in the **SOA** environment.
* Performed unit testing using **JUNIT** framework and used **Struts** Test Cases for testing Action Classes.
* Used **Maven** as the build tool for the application.
* Extensively used **Log4J** for logging,

**Environment:** Core Java, J2EE, Spring, Spring MVC, JVM, Hibernate, JSON, JAX-WS, JAXB, TDD**,** WebServices, MySQL, JSF, AngularJS, SOAP, Rest, log4j, JUnit, Java, JMS, JAXB, XML, Ajax, JavaScript, Maven, Rest, Jenkins.

**Meritian Health, Okemos, MI May 2010 –Nov 2010**

**Role: Java Developer**

Meritian Healthcare is a child of Aetna, Inc. an American [managed health care](https://en.wikipedia.org/wiki/Managed_health_care) company, which sells traditional and [consumer directed care](https://en.wikipedia.org/wiki/Consumer_directed_health_care) insurance plans and is also one of the largest Third Party Administrator (TPA)

**Responsibilities:**

* Followed **Agile Scrum** methodology that included iterative application development, weekly Sprints and stand up meetings.
* Developed the enterprise application by integrating **JSF/Spring/Hibernat**e Frameworks.
* Developed presentation layer using **JSP, HTML, Java Script, HTML5, JQuery** and **CSS**.
* Added interactivity to the UI pages using **JavaScript**.
* Heavily used the **Dependency** **Injection** feature provided by **Spring** framework for bean wiring.
* Used spring framework's **JMS** support for writing to **JMS Queue, Hibernate Dao** Support for interfacing with the database and integrated spring with **JSF**.
* Provided a new Web Service and Client using **Spring-WS** to get the alternate contractor details.
* Used **Java Messaging Services (JMS)** for reliable and asynchronous exchange of important information.
* Used **Spring-JDBC** configuration to manage some transactions across multiple databases.
* Designed and developed the service business process and data access to **Oracle** database and back-end layers with **JAXB, JMS** and **XML**.
* Used **Maven** for building the applications EAR for various environments.
* Used **Spring ORM** Support for Hibernate to manage efficiently **Hibernate** Resources and consistent exception Hierarchy.
* Wrote Stored Procedures/Triggers/Functions using **SQL** Navigator to perform operations on **Oracle** **10G** database.
* Used **JUnit** extensively and defined various Test Suites and Test Cases.
* Used **Log4j** to trace the flow of the application.
* Deployed application on BEA **WebLogic** Application Server 9.2 to get efficient performance.

**Environment:** J2EE, JDK, JSF, Spring-JDBC, JVM, Spring-WS-core, UNIX, Wsdl4j, SOAP, JAXBAPI, JMS, Spring, Hibernate, Maven, Log4J, JavaScript, JMS, XML, JUnit, SQL, Oracle

**Stockton Telecom, Irving, TX Jun 2009 –Apr 2010**

**Role: Java Developer**

Stockton Telecom offers a broad range of telecommunications services, including engineering, furnish, installation, test/turn-up and maintenance and operations for independent, commercial and government customers.

**Responsibilities:**

* Involved in all phases of Software Development Life Cycle (**SDLC**), mainly development and deployment.
* Designed and developed **UI** Screens (Forms) using **JSP** Server Pages, **Struts**, **CSS**, **Html** and **JavaScript**.
* Wrote multithreaded programs to measure system performance
* Involved in developing applications using **Java**, **J2EE**, **EJB**, **Struts**, **JSP** and **Servlet**.
* Developed **SQL** queries and stored procedures for the application.
* Worked with **JDBC** and modified **SQL** Queries for better performance.
* Used Hibernate as **ORM** tool to manage data and **MySQL** database.
* Used Eclipse **IDE** for the development of the application.
* Implemented **multi**-**threading** in the application by using swing worker thread.
* Used complex components like **JTable**.
* Used **CVS** for source code version control.
* Performed **Unit** testing and regression testing on the application.
* Developed database schema and **SQL** queries for querying database on **Oracle** **9i**.
* Used **Apache** Tomcat Server and **Jboss** Server for deploying various components of application.

**Environment**: Java, J2EE, JSP, HTML, JVM, Jboss, JTable Java Script, Oracle, SQL, JDBC, Apache Tomcat, AWT, Swing, Eclipse, Agile, CSS, Html

**SAHARA, Hyderabad, India. July 2008-April 2009**

**Role: Java Developer**

Sahara India Pariwar is an Indian conglomerate with interests in finance, infrastructure & housing, media & entertainment, consumer merchandise retail venture, manufacturing and information technology.

**Responsibilities**:

* Involved in analysis, design and development phase of system development that included developing Use Cases, Class Diagrams, Sequence Diagrams and Activity Diagrams.
* Involved in designing the user interfaces using **JSPs**.
* Developed **JSTL** custom tags to support custom user **interfaces**.
* Developed the application using **Struts** Framework that leverages the classical **Model**-**View**-**Controller** (**MVC**) architecture.
* Used **Eclipse** for developing **JSPs**, **Servlets**, **Struts** and with **Tomcat** server in the development phase.
* Implemented persistence layer with **Hibernate** **ORM**.
* Used **Spring** Framework to integrate **Hibernate** and **Struts**.
* Implemented the application using the architectural principles laid down by several design patterns such as **MVC**, Business Delegate, Session Facade, Service Locator, Data Access Object, Singleton and Abstract Factory.
* Deployed the applications on a **Tomcat** **Server**.
* Used **JDBC** to invoke Stored Procedures and database connectivity to **Oracle**.
* Developed **JUnit** test cases for all the developed modules.
* Used **CVS** for version control across common source code used by developers.
* Used **ANT** for automated build and deployment on **Tomcat**.

**Environment:** Java, J2EE, JSP, Struts, JDBC, Oracle, HTML, XML, Ant, Tomcat Server, Hibernate, Spring, JNDI, Log4j, CVS.

**EDUCATION**

* Bachelors in Electronics and Communication Engineering