**Jayalakshmi Diwakar**

[jlakshmi.diwakar@gmail.com](mailto:jlakshmi.diwakar@gmail.com)

732-688-3368

**CAREER SUMMARY**

* **Java/J2EE** **Developer** with over **8** years of Information Technology experience and Object oriented programming and experience in **Java/J2EE** technologies.
* **8** years of experience in Application Development, this includes design, development and Implementation of Projects in the areas of **Java/J2EE** Client and Server side Enterprise Applications.
* Strong Experience in developing enterprise applications using open source Technologies such as **Spring 3.x Framework, Web Services**, **Hibernate 3.x**, **JavaBeans**, **Servlets, Struts 2.x framework 2.0,XML Mapping, Ant**.
* Experienced in developing **SOA** components (**Web Services, REST, SOAP** and **WSDL**).
* Extensive experience using Spring Framework in business layer for Dependency Injection, AOP, transaction management and using Hibernate as a persistence layer.
* Strong Object Oriented Programming skills and knowledge of Aspect Oriented Programming.
* Extensively worked and implemented several design patterns such as MVC, Business Delegate, Session Façade, Service Locator, DAO, DTO, Singleton, Object Factory and Front Controller.
* Proficient in development of enterprise business solutions using **Apache Tomcat**, and **IBM WebSphere, JBOSS** and **Drools**.
* Very Strong skills in developing **Web Services** using **SOAP, XML, AXIS, XFIRE**.
* Strong experience in **JDBC, Oracle 8i/9i, 10g, SQL, PL/SQL, Triggers, Stored procedures**.
* Areas of expertise include **Java, web services, Servlets**.
* Good front-end development experience in **JSP, JavaScript, JQuery HTML** and **XML**.
* Detailed oriented with strong problem-solving, work ethics, communication, interpersonal and teamwork skills.
* Good experience in **WCS 7.1**, integrated payment web service and recaptcha .
* Ability to learn and apply new technologies quickly and self-directed.
* Thorough understanding of Object Oriented principles (Analysis and Design ) Robust understanding of Java and an in-depth understanding of other Java technologies, including **Servlets, JSP, JDBC and Web Services**.
* Full lifecycle development experience on large projects, creating distributed and scalable business systems.
* Experience with relational databases and data access (JDBC/SQL).
* Instrumental in creating UML Model using IBM Rational **Unified Modeling Language** tool for AOTS application as pilot approach across the account.

**SKILL SUMMARY**

**Languages and Technologies** Core Java,Web service, Jsp, Servlet, Corba

**Operating System** UNIX (Sun Solaris), Windows XP

**RDBMS** Oracle 9i, 10g, 11g, SQL Server

**Tools** RSA (Rational Software Architect), Eclipse IDE,UML,SoapUI,SQL Developer

**Version control Tools** SCME, Clear Case, RTC.

**Web Development Technologies** HTML, XML,JavaScript.

**Application/Web Server** IBM Web sphere 7.0, Tomcat

**PROFESSIONAL EXPERIENCE**

**J&J, New Brunswick, NJ USA April 2013 – Present**

**Java/J2ee Developer**

**Technologies:** Core Java, JSP, Jquery, JavaScript, AJAX, JSTL, HTML, CSS, Struts MVC2, XML, Java Swing/AWT, Spring Framework, EJB, Web Services, JMS, Hibernate, Weblogic.

**Description**

CompNav is a world wide decision support tool designed to assist Line manager and HR Staff with compensation planning. The user interface of this application was developed using JSP, JavaScript, Core Java and Oracle as backend.

**Responsibilities:**

* Designed front end pages using **JSP, JQUERY, JSTL, JavaScript** and **AJAX** calls to get the required data.
* Utilize **Struts (MVC2)** **framework** and developed **JSP pages**, **Action Servlets** and **XML** based **action-mapping** files for **web tier**.
* **UI** development in **Java Script, HTML, JSP**, **Servlets**.
* Used **XSLT** to transform data from one Document into another.
* Developed the **Hibernate** **mapping files** and involved in writing **Junit** test cases and suits using **EclipseIDE**.
* Developing **Java (Swing/AWT)** client to work like an Application and Applet using the server via **RMI**
* Designed **UI** screens using **JSP, Struts tags HTML**. Used **JavaScript** for client side validation.
* Implemented Dependency Injection (IOC) feature of **spring framework** to inject dependency into objects and AOP is used for Logging.
* Used **Struts Framework** in the application which is based on **MVC2** design pattern
* Used **EJBs** in the application and developed **Session beans** to house business logic at the middle tier level.
* Involved in developing and deploying semantic **web** and **web services** based distributed application.
* Implementing the Design and developing modules using **Agile Methodology**. Planning iterations for effective design and development of the Modules.
* Involved in creation of **tables, stored procedures**, **functions** and **cursors** as per the requirements.
* Involved in **Unit** and **Integration Testing**.
* Developed and utilized **J2EE Services** and **JMS** components for messaging communication in **WebLogic Application Server**.
* Used **Hibernate** Persistence Strategy to interact with database. Developed the **Hibernate mapping** **files** using **Eclipse IDE**.
* Interacted with the business users for requirement gathering and was responsible for the Analysis, Design and Development of the System
* Involved in Low Level System and Component Design (Sequence diagram, Class diagram, Component diagram).
* Worked on generating the **Web Services classes** by using **Service Oriented Architecture SOA, WSDL, UDDI, SOAP**.
* Involved in Use Case Reviews, Design Reviews and Code Reviews.
* Developed aspect oriented logging module using SLF4J, Log4J for logging purposes.
* **HTML, CSS, Macromedia Flash, Action Script, JavaScript** and **VBScript** were used extensively for each of the web design/development projects.
* Work included educating vendors about our product, designing and implementing an integration solution and working with marketing teams to advertise the results.
* Prepared documents required for analyzing the Requirements
* Generated the test cases for all the modules.
* Off-shore coordination and client interactions.
* Responsible for overseeing the Quality procedures related to the project

**Merck, Rhaway, NJ USA July 2012 – March 2013**

**Java/J2ee Developer**

**Technologies:** Java 1.4, JSP, Java Applet, JavaScript, RAD, XML, Windows XP, Oracle and documentum, JPA, Hibernate, Struts, WebSphere, REST Web Services, JMS, CVS, agile, Junit.

Description: IScore is customized IBM Score product for Merck IBM SCORE automates the sharing and management of controlled content. It helps organizations in the Life Sciences and Healthcare sectors comply with regulations. IScore is customized Life Sciences and Healthcare solution for Merck.

**Responsibilities:**

* Designed and integrated the full scale **Struts/Hibernate**  persistence solution with the application architectures.
* Implemented persistence layer using **Hibernate** that use the **POJOs** to represent the persistence database tuples.
* Added **Hibernate Annotations** to meet the client’s need for future migration to **JPA**.
* Data Access Object, Service Locator, Singleton and Factory basic principles were applied during the implementation of this project.
* Debugged code using the **Log4J** for the Logging framework.
* Deployed the application on **IBM Web Sphere Application Server**.
* **RESTful Web Services** were deployed in the server.
* Used **SOAP** **XML**-based protocol to exchange information.
* Wrote set of unit tests in **JUnit** to assure the proper behavior of the login page.
* **JUnit** was also used to test other functionality of the code.
* Exchanged highly sensitive data, such as payment status reports, via **Java Messaging Services (JMS).**
* The entire project **CVS** was used to record the history of source files, and documents.
* Followed **Agile** development methodology - Participated in point estimation for user stories, 3 amigos, pair programming, used **RTC (Rational Team Concept)** for Agile management.
* Followed a 2 week Iterative development cycle ending in Retrospectives and show & Tell. Held presentations , technical know-how sessions and in Iteration SME Consultant for the entire team mentoring and coaching junior developers.
* Involved in Application maintenance and Application Support
* Involved directly with the users to understand the scope and the details of the requirements.
* Delegated and coordinated work effort with offshore resources.
* Supported the applications through debugging, fixing and maintenance releases.
* Involved
* Documented the various phases of the project according to Merck standards.

**HBC, Toronto, ON Canada. Feb 2012 – July 2012**

**Java/J2ee Developer**

**Technologies:** WCS 7.1, RTC,: Web Sphere, RAD

Description: HBC is E-Commerce project developed for Lord & Taylor to enhance the existing e-commerce site.

* Involved in **SDLC** Requirements gathering, Analysis, Design, Development and Testing of application
* Developed user interfaces for internal testing of the services / subservices in **JSP, Servlets** and **JSF**
* Used Spring Framework for Dependency Injection(DI) and AOP which also enhanced the readability of the code
* Used **JPA-Hibernate** Persistence Strategy to develop **DAO** layer for Object/Relational persistence and implemented mapping files which handle queries to interact with database
* Used **Hibernate** to generate association tables implementing different relationships
* Improved **Hibernate** performance and solved **N+1** selects problem using Session Factory Cache
* For the **Hibernate** Lazy Loading problem used Spring Open Session In View Filter, controlling transaction life cycle
* Used **Log4J** for logging info that was helpful in debugging issues including runtime exceptions
* Developed **Web Services**–**WSDL, RESTful** and **SOAP**, and exposed them to the clients
* Developed proxy clients for the web services for multiple clients
* Developed **XML** over **HTTP** services / sub services using spring framework and connected the backend using Hibernate
* Developed the classes for **Unit Testing** by using **JUnit framework** for the entire application and executed test cases for Unit, System and Integration testing
* This project is to add Single Sign On and OpenID functionality to Sears, Kmart and the other sister **WCS web sites** owned by Sears.
* Was an integral part of the whole framework involved in logging a user to the WCS sites after authenticating the user via CAS (Central Authentication System) and logging out the user. OpenID enhancement involved integrating the RPX API to abstract out the nuances of provider specific authentication and authenticate users with their existing identities from Facebook, Google, Yahoo!, Twitter, MySpace, AOL, Windows LiveID or other OpenID
* Responsible for implementing an executable code solution, testing the resulting components.
* Integrated web service and Recaptcha(3rd party component) component for payment gateway.

**AT&T, Middletown NJ USA Jan 2011– Feb 2012**

**Java Developer**

**Technologies:** JAVA, JavaMail API, EJB, Web Services, UNIX, Oracle, SCME, Web Sphere,Rational Clear Quest.

Description: EFMS (End To End Flow Through Mgmt System). EFMS tracks, schedules and manages Order as it flows through all different AT&T Ordering, Provisioning and Billing Systems. If an Order Encounter a Problem EFMS also provides exception-handling services.

**Key Deliverables:**

* Involved in analysis, design and development of **IBA application** and developed specifications which include Use Cases, Class Diagrams, Sequence Diagrams and Activity Diagrams.
* Developed server side applications using **Servlets, EJBs** and **JDBC**.
* Used **Ant** for building the application.
* Used **JMS** for communicating various clients and it’s components
* Used **JUnit** for Testing.
* Used **WebServices-WSDL** and **SOAP**
* Involved into coding using core java technologies like inheritance, abstraction, etc.
* Used multi-threading concepts in developing **java applications**.
* Deployed applications on **JBoss 4.0 server**
* Extensively configured the build files to different Environments
* Developed **Session Beans** which encapsulates the workflow logic
* Used **Entity Beans** to persist the data into database and also used **Message Driven Beans** MDB to notify the bean state.
* Developed **EJB** components for middle tier component implementation and business logic implementation.
* Used **Struts** the **MVC framework** for building **web applications**.
* Developed web pages by using **HTML, CSS** and **JavaScript.**
* Developed **PL/SQL** database scripts and written **Stored Procedures** and **Triggers**.
* Instrumental in Design and Development
* Involved in Application maintenance
* Application Performance Enhancements
* Providing Production Support
* Implemented Cron for monitoring the table.
* Used **JavaMail API** for sending **automated emails** to end users.
* Implement critical component as part of disconnect module,which was used to replace the existing flow.
* Supported Testing Teams and involved in defect meetings.
* implemented Socket programming .
* Used **SoapUI** to do **web service** testing.
* Implemented test client for testing **web service**.

**AT&T, Middletown NJ USA June 2007 – Dec 2012**

**Java Developer**

**Technologies:** JAVA, EJB, Web Services, UNIX, Oracle, Web Sphere, RSA, Rational Clear Quest, Rational Clear Case,

**AOTS – AT&T One Ticketing System**

AOTS is the trouble management system for AT&T. It will encompass all Trouble Management and Change Management functions including appropriate automation for these functions. Its users will include Customer Facing Organizations (CFOs), Network Facing Organizations (NFOs), as well as AT&T’s external customers. Services covered include managed care, customer care and network care, both US and worldwide.

The goal is for AOTS to offer one browser based GUI that can serve the needs of both internal, CFO and NFO, users and, with some customization, all external customers. Similarly, AOTS will offer a set of trouble management web services accessible by both internal and external systems, B2B and B2C.The AT&T internal user community is key to making AOTS a success. End users need to drive operational standardizations, such as developing common processes to gather initial customer data, handle customer calls, and/ or pass tickets from one organization to another. It is key that operations/work centers (CFO, NFO, COPS, BMC, etc.) strive to:

* Converge and standardize operational processes to the maximum extent possible and appropriate
* Crisply define their business requirements
* Clearly define their needs, and verify the proposed solution meets their needs as early in the design and development cycle as possible
* Actively participate in early prototyping and verifications

**Roles & Responsibilities:**

* Utilized **Java Server Pages (JSP),** **Java web services invocation**, **JDBC SQL** calls for accessing and executing queries and generated web-based and **PDF** formatted reports via **Jasper Reports**. Utilized an open source tool (i.e. iReport) to compile and deploy the jasper reports
* Used **Websphere Message Broker Toolkit** for all message flow development, **Websphere MQ Explorer** for **MQ development** and **Administration**.
* Proficiently used **Websphere 6.1, Weblogic 10.2,Oracle 9iAS, JBOSS**, **Tomcat-Apache.**
* Responsible for designing and implementing an executable code solution, testing the resulting components, and analyzing runtime profiles to debug errors that might exist.
* Responsible for peer design document and code reviews.
* Mentored the new team members to enhance their application and technical knowledge.
* Involved in PE-SIG, analyzing code for improving performance.
* Involved in providing estimations for projects.
* Part of production support team.

**Key Deliverables:**

* Instrumental in redesigning the major component which was impacted due to migration of other ticketing system.
* Instrumental in creating UML Model and also helped SE &A team in developing SOMA modeling for AOTS application as pilot approach across the account.

**Achievements:**

1. Received Cash award for delivery Excellency.
2. Received delivery Excellency award from onsite first line manager.

**AT&T, Middletown NJ USA Dec 2006 – June 2007**

**Java Developer**

**Technologies:** Java, Java Script, JSP, JDBC, HTML Spring, Hibernate, WebLogic 10, Eclipse, log4j, Oracle 10g, Xml, Maven, Windows-XP.

**AT&T Business Voice over IP (BVoIP) Services**

AT&T’s Business Voice over IP (“AT&T BVoIP”) portfolio of services enable the transmission of voice telephone calls in IP format over a BVoIP compatible transport service to and from Customer Sites where both AT&T BVoIP and a BVoIP compatibletransport service.

**Responsibilities:**

* Discussion with the Clients for gathering, documenting and maintaining business and systems requirements, and developing designs document.
* Preparing **Low Level Design Documents** for the application.
* Defining and implementing architectural standards.
* functional, integral and manual tests to ensure that the code doesn't break at any point of time during de
* Used **Hibernate ORM** solution for **java**.
* Developed server side utilities using **J2EE** technologies **Servlets, JSP, JDBC**.
* Designed the applications using Spring **MVC framework** for easy maintainability.
* Used spring framework for **dependency injection** with the help of Spring Configuration files.
* Coded Business services using spring and also interacted with the database using **Spring DAO**.
* Design & Development of User Interface module using **JSP, JSTL, HTML** and Spring Framework.
* Supported the applications through debugging, fixing and maintenance releases.
* Created several Exception classes to catch the error for a bug free environment and orderly logged the whole process using **log4j**, which gives the ability to pinpoint the errors. Performing velopment stage.
* Involved in communicating with offshore team to resolve the applications production issues and to deliver the best quality application enhancements to the client.
* Used Oracle Database as the Data Store and used Spring Hibernate to access the Database.

**IBM, Banglore, India March 2005 – November 2006**

**Java Developer**

**Technologies:** Java, J2ee**,** JSP, Servlets, Oracle 9i, Oracle and forms

**SFA Pharma**

SFA Pharma is a web-based application built to track the movement of executives and products, samples delivered to territory manager. This application is used mainly by company management,inventory department, sales manager, territory manager and medical representative. Each one of them can view or append the details with in the scope of the access

**Environment:** Java, J2ee**,** JSP, Servlets, Oracle 9i

Team size :6

**Hospital Management System**

This software is developed to overcome the pitfalls of manual system. This system is mainly divided into different modules like inpatient, outpatient, payroll, lab, and staff details. In outpatient and inpatient modules, the system maintains the patient’s personnel details, medical history, lab reports and the doctor reference if any along with billing details. Here system refers inpatient as the one who is undergoing the medical treatment in the hospital and outpatient is the one who just visits the hospital for checkup. In the lab module, this application maintains the details of the different test, the hospital provide for the patient’s along with the its cost details. The staff and payroll modules are used to maintain hospital’s employee details, like staff module takes care of personal and professional details and payroll module takes care of payment details of staff. This system maintains the security by restricting the access to authorized users, so system maintains the user details.

**EDUCATION DETAILS**

* Diploma in Web Integrated Technologies (IWED) from Greencard, Training Division of Greenrose Computers Limited
* Masters of Computer Application (MCA) from B.I.E.T Davangere, Kumpevu University
* Bachelor of Science (B.Sc.) from A.D.B College, Gulbarga University