

**KIRUBAVATHY JAYAKUMAR**

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**Summary:**

* Over seven years of progressive experience in Software Development including Requirements gathering, Design, Development, Unit Testing, Implementation, Application Support/Maintenance and Documentation.
* Experience in n-tier architecture using J2EE technology including interfacing with Legacy systems.
* Experience in working with Web Services, XML & XSLT.
* Experience in design and development of Java and Internet/Intranet based applications and Client/Server technology under Windows/Linux Operating Systems.
* Strong knowledge of Object/Relational mapping using Hibernate with Spring Frame work
* Exposure to Analysis/Design based on UML architecture using Rational Rose & Star UML.
* Proficient with J2EE Design Patterns and SDLC process.
* Expert in SQL, PL/SQL, Triggers and Stored Procedures
* Experience in client side programming using HTML, DHTML, Javascript and AJAX.
* Strong analytical, presentation, problem solving and excellent inter-personal skills, ability to work independently and active team player with proven work ethics and leadership qualities.

**Education & Certification:**

* **B.Tech** (Information Technology), Anna University
* Sun Certified Java Programmer (**SCJP**)
* Sun Certified Web Component Developer (**SCWCD**)

**Technical Skills:**

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| **Languages:** | Java (JDK 1.5) and PL/SQL |
| **Java Technology:** | JSP, Servlets, JNDI, JDBC, XML, XSLT, Java Beans, MVC, Ajax,JMS |
| **Frameworks:** | Struts 1.3/2.0, Spring 2.0/3.0 |
| **Scripts:** | JavaScript, PERL |
| **Client-Side Tech.** | HTML, DHTML, JQuery, JSON, JSP, Tag Libraries, JSTL, AJAX, |
| **Application/Web Server** | Apache Tomcat, JBOSS, Websphere (WAS) 6.0 |
| **Database and Tools:** | Oracle 10g/9i/8i, DB2 7.x, MySql 5.x & MS-SQL Server 2000/7.0, TOAD 10.6 |
| **Operating Systems:** | Windows, UNIX, Linux. |
| **IDE:** | Net Beans 6.0, Eclipse 3.6, RAD 7.5 |
| **Source Control:** | CVS |
| **Development Methodologies & Testing**: | Agile Methodology, JUNIT |
| **Build Tool:** | Apache Ant 1.6.2/1.7.0, Maven 3.0 |
| **Design Patterns** | MVC Architecture, Business Delegate, Data Access object |

**Flagstar Bank – Troy, MI                                                                January 2011- Present**

**Role: Java Developer**

**Project: DMS (Document Management System)**

Document Management System (DMS) replaced the existing GCC Document Tracking System. DMS will provide the following capabilities:

* It is a separate application that allows for Flagstar Bank to track any final documents at the loan level for the purpose of receipt and location.
* Track final documents, including Notes, Final Documents and trailing documents at the loan level for the purpose of receipt and location.
* Define and pledge loans to the Federal Home Loan Bank (FHLB) or other entity. The new system would identify loans for pledging, create workflow for the tracking of the Note for pledging purposes and interface with FHLB or other entity for tracking of the credit amount available.

**Responsibilities:**

* Developed new and maintained existing interfaces
* Implemented Presentation layer using **HTML, JSP, Servlets.**
* Developed the application using **Spring Source** that leverages the classical **Model-View-Controller (MVC)** architecture.
* Designed **MVC model** and coded DAO,DTO and Service classes to work with **Spring** Framework.Worked
* on query handling, customer support, helpdesk
* Implemented the process system using J2EE as the enterprise technology with **JDBC**
* Wrote procedures and queries to extract data from database
* Tested the flow of modules using **JUNIT**
* Used **Hibernate** to map the persistence layer with the database. Hibernate is used as **JPA** persistence provider framework.
* Created **SQL statements** for effective retrieval and storage of data from the database.
* Used **Hibernate** to connect with database and **JNDI** to perform lookup services for the various components of the system.
* Used **Maven** for automated build and deployment on **JBOSS**.
* Used **REST CLIENT** web services add on, to construct custom HTTP request (custom method with resources URI and HTTP request Body) to directly test requests against a server.
* Developed the user interface presentation screens using HTML, XML, CSS, Javascript and **AJAX**.
* The application uses **jQuery/JSON** for a dynamic and interactive, data retrieval and posting.
* Handled **AJAX** response in xml, plain text and **JSON** formats.
* Monitored the **error logs** using **Log4J** and fixed the problems.
* Documentation, Testing and Integration of individual modules
* Followed **Agile Methodology** practices using **Scrum**.
* Used **Quality Center 11.0** for maitaing the quality, tracking the defects and fixing.

**Environment:** Spring 3.0, Hibernate, JSP, JSTL, HTML, CSS, TOAD 10.6, Oracle 10g, JDBC, Quality Center 11.0, JavaScript, XML, CVS, Log4J, JNDI, Junit, Eclipse 3.6 (Spring Source Tool Suite), Apache Ant 1.7.0, REST Client 1.3.4, AJAX, JQuery

**Automatic Data Processing Inc – RoseLand, NJ                                                                Oct 2009 – December 2010**

**Role: Java Developer**

**Project: PayXpert**

PayXpert is an Intranet based payroll application, which allows ADP’s clients to maintain their payroll information for their employees. Project team was responsible for designing and implementing the Pay Data Grid and Pay Data Batch for employees as a part of the application. Generation of reports based on the different criteria specified.

**Responsibilities:**

* Designed and developed an interactive module in Java
* Developed new and maintained existing interfaces
* Implemented Presentation layer using **JSP**, **Servlets**
* Developed the application using **Struts Framework** that leverages the classical **Model-View-Controller (MVC)** architecture.
* Designed **MVC model** and coded Action Classes and Services to work with **Spring** Framework.Worked
* on query handling, customer support, helpdesk
* Implemented the process system using J2EE as the enterprise technology with **JDBC**
* Wrote procedures and queries to extract data from database
* Tested the flow of modules using **JUNIT**
* Used **Hibernate** to map the persistence layer with the database.
* Created **SQL statements** for effective retrieval and storage of data from the database.
* Wrote UNIX Shell scripts and setup cron jobs.
* Used **Hibernate** to connect with database and **JNDI** to perform lookup services for the various components of the system.
* Used **ANT** for automated build and deployment on **WAS 6.0**.
* Monitored the **error logs** using **Log4J** and fixed the problems.
* Documentation, Testing and Integration of individual modules

**Environment:** MVC, Struts 1.1, Hibernate, Spring, JSP, JSTL, Servlets 2.3, HTML, CSS, Oracle, JDBC, JavaScript, xml, CVS ,Log4J, JNDI, Junit, Unix, Shell Scripts, JMS, WAS 6.0,Quality Center, RAD 7.5, Websphere 6.0

**GE Trucking Solutions, Devon, PA                                                                          Sep 2008 – Oct 2009**

**Role: Java Developer**

**Project: Order Management System**

**Description:**

The Order Management System is an ecommerce application that mangaes order entry, order routing and order execution quickly, reliably and cost-effectively. Main Components are Order Entry Services, Execution Services, Management Functions, Message Services, and Inquiry Functions.

**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.
* Implemented MVC pattern using Struts1.1 Framework.
* 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**.
* Developed Data Access classes to build dynamic SQL statements, which access data from HSQL database.
* Used **CVS** for version control across common source code used by developers.
* Developed a **JMS** based Queuing mechanism to manage the order flow to order processor from various sources.
* Used **ANT** for automated build and deployment on **Tomcat**.
* Monitored the **error logs** using **Log4J** and fixed the problems.
* Involved in the process Design, Coding and Testing phases of the software development cycle.
* Documented the whole source code developed.

**Environment:** Java, J2EE, JSP 2.0, Struts, JDBC, Oracle, HTML, XML, Eclipse, JMS, Ant, Hibernate 3.0, Spring 1.02, JNDI, CVS.

**HCL Technologies, India                                                                              June 2004 – July 2008**

**Role: Java/J2EE Programmer**

**Project - Contract Management System (CMS)**

**Description:**

**CMS** is a web-based application developed on **struts framework** for providing online support for managing sub-contractors of HCL Technologies. It is designed to reduce contract expenses and total cost of ownership. This software offers an easy-to-use interface, customer reports and a centralized repository.

**Responsibilities:**

* Performed requirements gathering for the application.
* Participated in Analysis & Design sessions of the Project
* Created use-case diagrams, class diagrams and sequence diagrams for the web application using **UML**.
* Implemented **MVC** design pattern, using the **Struts** framework
* Used **JSP**'s for the web tier and session beans and **DAO** for the business/model layers
* Developed some modules of CMS, which consists of User login related Screens, sending auto responding mails from server using **Java Mail API** and CATS Module.
* Developed java classes and data access beans using **Eclipse**.
* Coded **JavaBeans** for temporary data storage and also for faster data retrieval.
* Wrote **MS-Sql** queries for data insertion, updating, deleting, etc.
* (Add points in Stored procedures.)
* Deployed application on **TOMCAT** Application server.
* Used **JUnit** Test cases for each case in specific modules to test the functionality
* Logged messages using **Log4j**.
* Used **CVS** for Source Control and Version Management.
* Documented the whole source code developed.

**Environment**:JDK1.4/J2EE, Servlets, JSP,  Struts 1.2, Custom tags & Struts Tag Library, Struts Tiles, Java Beans, JDBC, Java Mail API, DAO, HTML, DHTML, XML, JavaScript, CSS, MS-SQL Server 2000, CVS, Eclipse.