**Kumaresh Jembu**

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**Summary**

An accomplished J2EE Lead/Architect with 16 years of experience in analysis, design, prototyping, Implementation, maintenance, deployment and project management of business applications and web software packages, which involves diverse platforms, databases, hardware/software technologies and tools.

**Technical Summary**

* Twelve years of J2EE Technical Lead/Architect with experience in client interaction, team leadership, J2EE Architecture, design patterns and deploying critical Middleware technologies.
* Well versed with complete Software Development Life Cycle (SDLC) process which includes Designing,Developing, Testing and Implementation.
* Around 14 years of experience with core expertise in design, development and deployment of N-Tier Enterprise applications using industry standard J2EE utilizing technologies such as Servlets, MVC, JSF, JSP using Struts framework,Spring, EJB, JMS, JDBC and RMI.
* 12 years of extensive experience in installation, configuration, administration and troubleshooting Web Sphere Application Server.
* 12 years of RSA/WSAD experience and 5.5 years of Visual Age for Java experience.
* 8 years of extensive in XML (DOM Model, SAX, XSD, XPath), JAXP, JAXB, XSL and XSLT.
* Strong experience in various designs patterns (J2EE) and using MVC/SOA architecture.
* Strong experience in Security, encryption (JCE) and SSL (JSSE), JNDI and LDAP authentication and authorization.
* Experience in OOAD using UML, AGILE and RUP development methodology.
* Experience in Spring, Struts,Hibernate.
* Experience in Database back-end programming using IBM DB2 & Oracle.

**Technical Expertise**

Languages: C, C++, Java, UML.

Frameworks: J2EE, SOAP, Spring, Struts, RMI/IIOP, HibernateAPIs: Swing, Applets, Servlets, EJB, JDBC, Java Beans, JNDI, Java Mail, JSF, JCE, JSSE, JAXP,JAXB

Methodologies: OOA, OOD, OOM, Design Patterns, J2EE Design Patterns.

Internet: HTML x, DHTML, CSS, JavaScript x, JSP 1.x, ASP x, XML x, XSL, XSLT

IDE: IBM Web Sphere Studio Application Developer 5.x, Eclipse 2.11, IBM Visual Age for Java x,Microsoft Visual Studio x, Visual InterDev, Visual C++ 6.0, RSA 7.0

Application/Web Servers: IBM Web Sphere x, BEA WebLogic, IBM MQ Series 5.x, IBM MQWorkflow 3.x

RDBMS: IBM DB2, Oracle 8.2, Sybase Server.

Tools: Rational Rose 2000, UML 6.0, l Clear Case, Home Page Reader, Visual Source Safe x, XML,SPY3.x, Microsoft Visio 2000, Ant x, Clear quest

Systems: Windows98/95/NT/2000 Server/Professional, Sun Solaris, AIX, Red Hat Linux 8.0, Unix

Security: IBM/Sun JCE 1.2.2, IBM/Sun JSSE 1.0.3

**Employment History**

Bloomington State Farm Insurance Feb 05 – Present

Walt Disney World Company Jul 04 – Feb 05

Texas Worker’s Compensation Commission Nov 03 – Jun 04

Walt Disney World Company Apr 02 – Oct 03

Xerox Corporation, Rochester NY Dec 00 – Mar 02

Soffia Software Ltd., Chennai, India Apr 00 – Nov 00

Larsen & Toubro Ltd, Chennai, India May 96 – Mar 00

**Relevant Work Experience**

**State Farm Insurance - Senior Project Lead/Architect - Feb 05 – Present**

BEST (Build Environment Support Tool) - Senior Architect/Designer Nov 11 – Present

* Lead the Design/Development effort to create the In-House tool to support the Application deployment in the Webshere application server
* Used the Hibernate, Struts, Spring, SOA framework.
* Meet the Business partners, sponsers and users to get the requirements and convert those requirements in to Design documents for offshore/onsite development.

Health – WLM Vendor Streaming Senior Architect/Designer Nov 10 – Oct 10

* Lead the Design/Development effort to create new case functionality in the existing WLM System
* Used the Struts/Spring Framework
* Mentoring/Guiding the developers to bring the best practice in the state farm

Health-VB to J2EE Migration (R14718) Senior Architect/Designer Jan 09 – Present

* Lead the Design/Development effort to convert the Health New Business Apps from VB to J2EE apps
* Used the DDUI Architecture (Health Hospital Income) , Spring Framework
* Involved and mentored the Developers to develop the Junit execution using the EasyMock/Struts Testcase
* Involved with Performance team to find out the Memory Leakage.
* Mentoring /Guiding the developers to bring the best practice in the state farm
* Configurations of JDBC providers, data sources, JMS connections factories for the applications.
* Configuration of custom shared Libraries in websphere for the applications to connect to Mainframe modules
* Configuration and performance tuning of database connection pools, thread pools, JVM Heap Size to required sizes using admin console

Health - WLM (R15508) Senior Architect/Designer Jun 10 – Dec 10

* Lead the Design/Development effort to convert the Health work load management apps from VB to J2EE apps Used the Struts/Spring Framework
* Involved with Performance team to find out the Memory Leakage
* Mentoring/Guiding the developers to bring the best practice in the state farm

Health - EA Apps - VB to J2EE Migration (R14131) Lead Designer Jan 08 – Mar 09

* Lead the Design/Development effort to convert the Health VB to J2EE apps
* Used the DDUI Architecture (Health Hospital Income), Struts Framework
* Involved and mentored the Developers to develop the Junit execution using the EasyMock/Struts Test case
* Review the Code delivered from Offshore (HHI)
* Mentoring /Guiding the developers to bring the best practice in the state farm
* Configurations of JDBC providers, data sources, JMS connections factories for the applications
* Configuration of custom shared Libraries in websphere for the applications to connect to Mainframe modules
* Configuration and performance tuning of database connection pools, thread pools, JVM Heap Size to required sizes using admin console

ECS Claim Performer (R12743) Lead Designer Jun 07- Apr 08

This project is focusing on the Claim Performing such as Auto Assignment

* Involved the Design/Development for Automatic Assignment
* Involved the Design/Development for Org Security
* Involved the Design/Development for Claim Performer Email System
* Involved the Junit Activity

ECS Architecture Team (R12106) Lead Designer Mar 05 – Jun 07

This project is focusing on the activities needed to transition the ECS (Enterprise Claim System) program from an ASP/VB application to J2EE application architecture using the AICS framework. This project includes activities such as the following:

* Determining how to integrate the J2EE design and development approaches with ECS and testing those solutions
* Involved to create the Architecture Decision document
* Involved the High and Low level Design documents
* Involved the Junit Generation using the Easy Mock/Aspect
* Involved the Design/Development reduce the Memory sizes
* Involved the Design/Development for Page navigation
* Involved the Design/Development for Email Architecture
* Involved the Design/Development for Route to JVM (improve the performance)
* Involved the Design/Development for Asynchronous Message
* Involved the Design/Development from Migrating the AICS Logger/Error handling framework to JRA

Environment: Java, J2EE, EJB, RSA 7.5, DB2, WAS 7.0 ,Spring, Struts Framework, Spring Framework,EasyMockJunit, XML, ClearCase, WebServices,MQ Series,JAXB, ,JMS, ClearQuest, Websphere Portal,Log4J, Devpartner, JBoss, Maven, Eclipse, Subversion, Hudson

**Walt Disney World Company Senior Lead Developer Jul 04 – Feb 05**

Destination Disney integrates various services provided by Walt Disney World to its guests. This ranges from check availability to make and modify reservations for Theme Parks, Hotels and Resorts, Airlines,Rental Cars etc. The Sales Booking Client (SBC) is the front-end application, which accepts requests from the guests and sends the requests to the EAI Hub, which is integrated to the legacy applications providing the necessary information.

* Defined all the messages that need to flow through the EAI Hub (Request / Response) as XML Schema
* Created JAXB objects, XJC files and DTDs using XML Spy and Turbo XML for the above messages
* Created necessary J2EE components including Transformers using Visual Age for Java then moved to WSAD
* Added MQ Series interfaces to Applications ranging from J2EE, CRM Siebel and Legacy Applications to communicate with the EAI Hub
* Created necessary J2EE components including Transformers using WSAD
* Participated in design and deployment of a new Content Management System, using Java and XML/XSLT technologies
* Coordinated the integration test with the front-end application, EAI Hub and legacy applications.
* Created and configured MQ Series Objects on Sun Solaris and Windows 2000
* Created and configured JMS definitions for applications using MQ Series & JMS
* Created and configured Web Sphere Application Servers and installed and deployed applications on
* Sun Solaris and Windows 2000. Also performed J2EE code build on these servers regularly
* Created and developed Entity Bean to communicate with Oracle
* Designed and documented the Adapters, Configurations, Message flows, MQ Series Objects and J2EE components for the EAI Hub
* Designed Sequence Diagrams and Class Diagrams using Rational Rose, which specified the message,flows through the EAI Hub
* Used Struts framework for Model 2 approach (MVC)
* Designed and Developed JSP pages to communicate with EJB
* JUnit was leveraged to perform all of the test-first design; all code was developed using pair programming techniques.
* Set up and administered Websphere servers, oracle instances, and JDBC connectivity

**Texas Workers Compensation Commission Team Lead Nov 03 – Jun 04**

The mission of this agency is to encourage and assist in the provision of safe workplaces. To provide an effective and efficient regulatory framework to facilitate timely, appropriate, and cost-effective delivery of benefits and to assist in timely returning injured workers to productive roles in the Texas workforce.Facilitate efficient and effective communication of information between all workers' compensation system participants. Capture and provide access to comprehensive, accurate, and reliable workers' compensation information

* Designed and created Logging Framework using Log4J and MQSeries.
* Designed and created Entity Bean with CMR and Inheritance Relation.
* Designed and developed Session Beans.
* Designed and Developed Error Handling Mechanism across the project.
* Designed and developed Message Driven Bean to process messages from Queues.
* Programmed JDBC connectivity classes.
* JUnit was leveraged to perform all of the test-first design; all code was developed using pair programming techniques.
* Set up and administered Websphere servers, oracle instances, and JDBC connectivity

Environment: J2EE, IBM MQ Series V 5.3, IBM MQ Workflow V 3.4, JMS, JNDI, SERVLETS, JSP, XML,JAXB, XJC, J2EE, SQL, PL/SQL, JDBC, Rational Rose, Rational Clear Case, Eclipse, IBM Web sphere5.1,JSF, IBM Web Sphere Studio Application Developer (WSAD 5.1), Oracle 9i, TOAD, XML Spy, Windows 2000/NT Server, Sun Solaris 8.0,Log4J, Apache Struts Framework 1.1, MVC

**Walt Disney World Company Senior Lead Developer Apr 02 – Oct 03**

Defined all the messages that need to flow through the EAI Hub (Request / Response) as XML Schema. Created JAXB objects, XJC files and DTDs using XML Spy and Turbo XML for the above messages. Created necessary J2EE components including Transformers using Visual Age for Java then moved to WSAD Added MQ Series interfaces to Applications ranging from J2EE, CRM Siebel and Legacy Applications to communicate with the EAI Hub.

* Created necessary J2EE components including Transformers using WSAD.
* Participated in design and deployment of a new Content Management System, using Java and XML/XSLT technologies.
* Coordinated the integration test with the front-end application, EAI Hub and legacy applications.
* Created and configured MQ Series Objects on Sun Solaris and Windows 2000.
* Created and configured JMS definitions for applications using MQ Series & JMS.
* Created and configured Web Sphere Application Servers and installed and deployed applications on sun Solaris and Windows 2000. Also performed J2EE code build on these servers regularly.
* Create and developed Entity Bean to communicate with Oracle.
* Designed and documented the Adapters, Configurations, Message flows, MQ Series Objects and J2EE components for the EAI Hub.
* Designed Sequence Diagrams and Class Diagrams using Rational Rose, which specified the message flows through the EAI Hub used Struts framework for Model 2 approach (MVC).
* Designed and Developed JSP pages to communicate with EJB.
* JUnit was leveraged to perform all of the test-first design; all code was developed using pair programming techniques.
* Set up and administered Websphere servers, oracle instances, and JDBC connectivity.

Environment: J2EE, IBM MQ Series V 5.2.1, JMS, XML, JAXB, XJC, J2EE, JNDI, SERVLETS, JSP, SQL,VAJ 4.0, PL/SQL, JDBC, Rational Rose, Rational Clear Case, Eclipse, IBM Web sphere 4.0,5.1,JSF, IBM Web Sphere Studio Application Developer (WSAD 4.0,5.0,5.1), CMSynergy6.2, XPath, SOAP, Jacada,Oracle 9i, Swing, TOAD, XML Spy, Turbo XML, IBM-PC Pentium, Windows 2000/NT Server, Sun Solaris 8.0,MapForce 2003, Apache Struts Framework 1.1, MVC

**Xerox Corporation, Rochester NY Senior Developer Dec 00 – Mar 02**

* Defined all the messages that need to flow through the EAI Hub (Request / Response) as XML Schema.
* Developed and Designed Java Swing Input File Tool for converting Database format to Java file format.
* Used UML as the modeling language
* Designed Sequence Diagrams and Class Diagrams using Rational Rose
* Involved in design, development of technical specifications, application code, programming specifications from functional specifications and Class Diagram, Sequential diagram from Rational Rose.
* Participated in design and deployment of a new Content Management System, using Java and XML/XSLT technologies
* Used JNI for connecting C++ and Java code, to connect machine modules with setup routines.
* Used Visual age for java to develop Java Bean Components.
* Administrated, Installed and Configured Websphere 4.0.
* Used Struts framework for Model 2 approach (MVC)
* Designed and Developed Entity Bean to connect DB2 Database.
* Administration of Websphere Application server and Sun Solaris.

Environment: J2EE, JNDI, SERVLETS, JSP, XML, Java Swing, Rational Rose, C++, JavaScript, Rational Clear Case, HTML, DHTML, CSS, Visual Age for java 4.0, Eclipse, Websphere server 4.0, Windows NT 4.0, JDBC, Sun Solaris 7.0, Idea 2.0, DB2, Apache Struts Framework 1.0.2

**Soffia Software Ltd., Chennai, India Development Lead Apr 00 – Nov 00**

As Development Lead:

* Involved in creating Architectural framework for the whole System.
* Created Software Architecture Document, and RUP Iteration specific Integration Build Plan.
* Designed Model elements that include Analysis level Class and Collaboration diagrams, Subsystem dependencies diagram.
* Design Class diagrams and Sequence diagrams, Component diagram, and Deployment model
* Used Visual Age for java to develop EJB and JSP pages
* Involved and Designed SQL and PL/SQL statements to manipulate the database
* Designed and Developed JSP pages to communicate with Oracle Data base
* Designed and Developed Session Bean, to Maintain state between method invocation for different pages for same customer Involved in the prototype project

Environment: Java, JSP 1.1,JNDI, EJB 1.1, Servlets 2.1,JDBC, UML, HTML, Style sheets, JavaScript, Windows NT, Java 1.2, Oracle 8i,Java Script, Java AWT, Java Swing, Visual age for java 3.5, Websphere server 3.5.3, Rational Rose

**Larsen & Toubro Ltd. Chennai, India -Graduate Engineer Trainee May 96 – Mar 00**

Larsen & Toubro Limited (L&T) is a Mumbai based Engineering Company, it one among top five

Companies in India. L&T is a US$2 billion conglomerate with interests in Engineering, Software, Cement,Finance, Electric, and Construction etc.

As Graduate Engineer Trainee:

* Initially trained in Various departments (manufacturing, software, sales, purchase):
* Implemented Device interface components using java.net classes namely InetAddress, Socket, ServerSocket, and URL.
* Implemented Stub/Skeleton collaborative components using RMI mechanism
* Accomplished OOAD and created model elements using UML for the Components namely Sales
* Manager, Inventory Manager, and Purchase Manager.
* Implemented Stateless and Stateful Session Beans and EJB 1.0 BMP Entity Beans.
* Recommended and implemented components based on J2EE design patterns that include DAO,Singleton, Value Object, and Fast-Lane Reader.
* Created appropriate Database Triggers and Stored Procedures. Developed architecture, business logic and database structure of the project (UML)
* Implemented business logic on server-side as Entity Beans and Session Beans (EJB, JDBC, Websphere) Developed web-based software modules (JSP, HTML). Created User-Interface through JSP using Struts taglib, JavaScript, HTML and CSS.

Environment: Java 1.0,Java 1.1,Java 1.2, C++, RMI, Servlets 2.0, JSP1.0, JNDI, EJB 1.0, 1.1,Swing,Delegation Model 1.2,JDBC, Applet, HTML, Style sheets, JMS, JavaScript, Windows NT, IBM Websphereapplication server 3.0,PeopleSoft, Visual Age 3.0, DB2, Weblogic 3.0,4.0,Unix, SQL-Server, Oracle 7.1,8.1

**Education/Certifications**

**Bachelor of Engineering: 1996**

**Sun Certified Java Programmer**

**Sun Certified Business Component Developer**