MADHU RAYALA

Sr. J2EE Enterprise Architect and Sr. Java Developer (Security Clearance)

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#### Professional Summary:

* Over 18 **years** of experiencein **SOA**, **Cloud Computing, AWS, HADOOP, MONGODB, analysis**, **design,** **development** and **deploying** n-tier web applications and client / server applications of n-tier component based applications using **JAVA, J2EE, MQ Series, CMS systems like CQ5, Stellant** and **Web Technologies for enterprise applications**.
* Over 12 **years** of experience in working with customer to generate function requirements and produce Requirement Traceability Matrix (RTM), Functional Requirement Document (FRD). Performed analysis and designed using system, domain and data modeling with UML. Also, produced various Data flow diagrams, Process flow diagram, Workflow diagrams, swimlane diagrams and SWOT analysis.
* Over 7 Years of experience in creating project estimates with accurate Basis Of Estimation (BOE), Resource allocation and led teams for delivering projects with On Time Delivery (OTD) and First Time Right (FTR). Engaged in building customer relations, took right decisions and executed projects with advanced business analysis skills such as Decision Analysis, Business Case Development, Business Scenario Capture and Content Modeling.

#### Technical Summary:

* Started my career working on a NASA contract in developing websites for minority education using UNIX, PERL, C and CGI programming.
* Upgraded ME-RBS and Phalanx systems built in Mainframes for US Navy to a C programming language based Client-Server system at CACI.
* An Image and text based search Engine, Retrieval Ware was integrated into a project named ‘Logistics Data Quality’ Checker using UNIX sockets, CGI, databases and flatfiles.
* As a Web Administrator for AT&T KMS project, I have worked in deploying Netscape browsers and security patches on 12,000 HP UNIX workstations and 25,000 PCs.
* Developed Java classes, JSPs, Servlets, EJBs and integrated with database for a “Call Restriction Service” at Nextel Communications. Also, worked on various features called “Packet Data” to add data packages to accounts.
* Worked on Open LDAP and configured User and roles for authentication and authorization at AT&T.
* A PKI encryption application was done for Pentagon using C programming and PKI API.
* Various E-Commerce applications were designed and developed using J2EE frameworks like Struts, Spring, Hibernate and application server stacks like Websphere, Weblogic, JBoss and Apache Tomcat at Mckesson Corp., Trilegiant Loyalty Solutions, Anthem Blue Cross Blue Shield, USDA, Shaw Systems, PFGC, FannieMae, IRS, FDIC, PBGC, DOJ, DHS and USPTO.
* Messaging System using IBM MQ Series was used for parsing messages at Dept. of Homeland Security.
* Worked with Oracle using SQL, Stored Procedures, Triggers and functions.
* Integrated with different Enterprise systems using Spring Integration, SOAP and Restful webservices.
* Architected and developed a ‘Sales Force Automation’ project at Mckesson Corp. that involved a SOAP webservice and VPN connectivity with clients and weblogic integration with a JDEdwards system and Oracle datawarehouse.
* Worked on a product named ‘Spectrum’ for Shaw Systems in Agile Framework and modeled UML diagrams, integrated Spring and Hibernate for business services and Junit testing.
* A Redaction software tool was designed and developed using J2EE and IngresSQL for key/value indexing.
* Produced a detailed design document for PBGC upgrade of their systems to a J2EE based framework as a Solutions Architect.
* Successfully designed and deployed in 94 US districts, a web based court scheduling system named ‘Grand Jury Tracking System’ for Dept. of Justice.
* Architected and designed an Air Cargo system for Customs and Border Protection which was an upgrade from SAP and Mainframe based software to a Weblogic based Messaging system and implemented a SOAP webservice to interconnect between legacy Websphere based system and Weblogic based Automated Cargo System (ACE).
* Actively engaged with US Patent Office Administration to gather business requirements and worked with technical team to do an analysis and design systems in an Agile framework and successfully integrated with various systems with in the enterprise at USPTO using Spring Integration, Hibernate, JQuery and JPA.
* Configured and led work at Defense Travel System (DTS) Sustainment division. Work involved daily reports, attending Agile Scrums, coordinate with Configuration and System Administration teams for any security vulnerabilities with softwares. Airline and Hotel Availability and Reservations systems were integrated into a J2EE, Spring and Hibernate environment.

#### Education:

* **MS Computer Science and Engineering, Univ. of Kentucky, Lexington, KY**

## Computer Skills:

**Languages:** JAVA, C, C++, SQL, HTML

**Middleware:** CORBA, RMI, EJB

**Operating Systems:** UNIX, WINDOWS 00/NT, LINUX

**Software Engineering Process**: Rational Unified Process (RUP), Agile

**Analysis and Design Methods**: Unified Modeling Language (UML)

**Web Software/API**: J2EE (JSP, SERVLETS, EJB), Struts Framework, JSF, Hibernate, iBatis, Log4J ,XML, SOAP, UDDI, WSDL, LDAP, JNDI, JMS, JDBC, JSTL, XSLT, Ant

**Web/Application Servers:** Tomcat 5.x/4.x,BEA’s Weblogic Application Server 11.0 , JBoss 4.0, WebSphere 8.5/6.0

**Databases:** Oracle 11, SQL Server 2008, DB2, MS Access, MySQL

**Design Tools:** Rational Rose, Together J 6.1,Enterprise Architect 6.5

**IDE:** RSA, Websphere 8.5, WebLogic12 WorkShop 8.1, JBuilder 2005, **Eclipse**, JDeveloper,

Work Experience:

**Client:** Department of Defense (DoD) (**Feb’16 to Present**)

**Project:** Defense Travel System

**Role: Senior Consultant**

* A J2EE based web application for Defense personnel travel, Reservations, approval and reimbursement process.
* Daily activities included attending scrum meetings, delegate with developers, communicate issues, solving issues and prioritize challenges.
* AWS cloud watch, cloud trail were successfully implemented.
* Set up of AWS Gov Cloud and research on enhancing application to AWS cloud using Elastic IPs, Identity Access Management(IAM) and other AWS tools.
* Cost Estimate and analysis for deployment of applications into AWS was done.
* Modelling of project using Visio and communicated regularly with client to get requirements.
* Worked with DMDC to fix Security Vulnerabilities associated with Tomcat, Weblogic, OBIEE
* Actively interacted with top management to find out the issues related to security, bugs etc.,
* Held daily scrum meetings with Client including management and Team Leads.
* Worked on creation of user stories as part of Sprint Planning.
* Discussed in detail with team and held Requirement Analysis meetings on a regular basis.
* Made sure Developers coded and testers tested stories as per Acceptance criteria.
* Designed and developed use cases, class diagrams, sequence and state diagrams using Visio.
* Worked with front-end JQuery developers to streamline online forms and wizards with backend services.

Environment: Eclipse Neon, Tomcat 8.5.4, Weblogic Server 12.3.6, OBIEE 11.1.1.9, Oracle 12c, SOAP webservices, jQuery, Hibernate, Spring Integration, AWS, IAM, Hadoop

**Client:** USPTO (US Patent and Trademark Office) (**Feb’15 to Jan’16**)

**Project:** Official Correspondence

**Role: Enterprise Architect**

* Led a team of 15 developers to modernize ‘Offical Correspondence’ from Legacy Client/Server technology to jQuery, Java, Webservices based environment.
* Daily activities included attending scrum meetings, delegate with developers, communicate issues, solving issues and prioritize challenges.
* Modelling of project using Visio and communicated regularly with client to get requirements.
* Worked with USPTO OPIM division to get all business details and get approvals for design.
* Actively coordinated with USPTO OCIO for infrastructure details and business details. Actively met Director, Management and Examiners to get details necessary for OC.
* Held daily scrum meetings with Client including management and Team Leads.
* Worked on creation of user stories as part of Sprint Planning.
* Discussed in detail with team and held Requirement Analysis meetings on a regular basis.
* Made sure Developers coded and testers tested stories as per Acceptance criteria.
* Designed and developed use cases, class diagrams, sequence and state diagrams using Visio.
* Built infrastructure for code development and deployment using Maven. Generated JPA classes and built backend webservices for the application along with analysis, design and development.
* Worked with front-end JQuery developers to streamline online forms and wizards with backend services.
* Worked on Spring Integration heavily in fetching data from other systems like BRS (Bibliographical Retrieval System) and EAST data.

Environment: Eclipse Kepler, Eclipse Juno, JBoss 6.0, Weblogic Server 12.1.2c, Oracle 12c, Amazon Webservices, SOAP webservices, jQuery, Hibernate, Spring Integration

**Client:** Department of Homeland Security (CBP) (**Feb’14 to Jan’15**)

**Project:** Automated Cargo System (CSPD)

**Role: Application Architect**

* Led a team of 40 developers to modernize CBP Automated Cargo System from Mainframe system which was originally partnered with SAP and IBM Websphere 8.5 using MQ Series.
* Actively coordinated with CBP agents to get business requirements and manifest file samples.
* Designed, developed and tested use cases to suit requirements and generated Class Diagrams, Sequence and State diagrams.
* Mentored Java Developers and made sure java standards are met and industry compliance followed.
* Actively coordinated with USPTO OCIO for infrastructure details and business details. Actively met Director, Management and Examiners to get details necessary for OC.
* Held daily scrum meetings with Client including management and Team Leads.
* Worked on creation of user stories as part of Sprint Planning.
* Discussed in detail with team and held Requirement Analysis meetings on a regular basis.
* Made sure Developers coded and testers tested stories as per Acceptance criteria.
* This project uses Weblogic 12.1.2 and I have developed Air Manifest System and set up queues using MQ.
* Also developed webservices to connect legacy system, Websphere to current system in Weblogic.
* Developed ‘User Security’ for user authorization and authentication. Also helped Agile Team producing User stories, conduct daily scrum meetings, work with project managers and client.

Environment: Eclipse Kepler, Weblogic Server 12.1.2c, Oracle 11, IBM MQ Series, Amazon Webservices, SOAP webservices, Websphere 8.5/6.0, Websphere Portal Server.

**Client:** **Department of Justice (Jan’13 to Feb’14)**

**Project: Grand Jury Tracking System**

**Role: Team Lead and Architect**

* GJTS is a tracking system that got installed in all 94 US districts of Federal courts of USAO.
* Led a team of 15 developers for an automation project that involves Grand Jury Cases and Subpoenas.
* Regularly held scrum meeting both internal and with customer.
* Modelling of project using Visio and communicated regularly with client to get requirements.
* Spring Planning and Sprint Retrospectives followed as per Agile methodology.
* Actively coordinated with USPTO OCIO for infrastructure details and business details. Actively met Director, Management and Examiners to get details necessary for OC.
* Held daily scrum meetings with Client including management and Team Leads.
* Worked on creation of user stories as part of Sprint Planning.
* Discussed in detail with team and held Requirement Analysis meetings on a regular basis.
* Made sure Developers coded and testers tested stories as per Acceptance criteria.
* Two week iterations were successfully conducted and communicated with management.
* A framework is designed for queries and transactions using Hibernate.
* Web forms ingesting PDF forms is done using openText API.
* jQuery libraries like iCalendar is used to design a calendaring system for court schedules.
* A Spring and Hibernate system is designed and JSF is used for front-end.
* PL/SQL stored procedures were created and Hibernate calls are made.
* Calendering System and Struts/Spring and Hibernate based web project implemented with Oracle as database.
* My role involved design, develop and lead developers, assign tasks in an Agile model and work with Project Manager and USAO management.
* 94 US districts would be upgraded to this system on a Unix platform with Weblogic server and LDAP User management is implemented for Authentication and Authorization.

Environment: Eclipse Juno, Weblogic Server 10.3.3, Oracle 10g, Git and JUnit.

**Client:** **ACS (Feb’12 to Jan’13)**

**Project: Weblogic Portal to JBoss Migration**

**Role: Java Enterprise Architect**

* As part of migration effort to move from Weblogic 9.2 Portal to JBoss Community Server 6.0, extracted data from Weblogic Stellant system and dumped 1 terabyte size of files into a filesystem and moved to CQ5 system.
* As Stellant Content Management System was based on ColdFusion and there were issues with single threaded model and caching issues, CQ5 based OSGi framework was chosen for new content management system. Apache Sling framework to access JCR is implemented. RESTful webservices are used to access nodes and content access.
* Actively coordinated with USPTO OCIO for infrastructure details and business details. Actively met Director, Management and Examiners to get details necessary for OC.
* Held daily scrum meetings with Client including management and Team Leads.
* Worked on creation of user stories as part of Sprint Planning.
* Discussed in detail with team and held Requirement Analysis meetings on a regular basis.
* Made sure Developers coded and testers tested stories as per Acceptance criteria.
* Also, designed a SOA based architecture for the ACS IT environment. As an Architect, I have redesigned the application with Web Services, Struts, Spring and Hibernate based application. JUnit and End to End lifecycle development is implemented in Agile methodology based development. Design Patterns like MVC, Factory pattern, Spring based Declarative Transactions, Spring JDBC Data Abstraction and Hibernate are some of the features of this project. Quartz Scheduler jobs were implemented as part of notifications.
* Beehive NETUI framework was successfully migrated as part of the effort to deploy into JBoss. Jetty webserver is used in this effort. Maven builds are done extensively along with JUnits for testing

**Environment**: J2EE, BPEL, JUnit, Maven,Jetty Server, JBoss 6.0 Community Edition, Weblogic Portal, Oracle 11g, Struts 1.2, Spring, Hibernate 3.0 and Web Services.

**Client:** **PBGC (Jan 2011 to Jan 2012)**

**Project: Salient Federal Solutions**

**Role: Solutions Architect**

* Designed SOA based architecture for Spectrum 4.0 application for PBGC.
* PBGC regularly does batch processing of paychecks with a banking system and this project involved shifting the method of payment and client is changed.
* Daily activities included conducting agile meetings, update user stories, address issues and attend client meetings.
* Produced a Design document for Spectrum 4.0
* Actively coordinated with USPTO OCIO for infrastructure details and business details. Actively met Director, Management and Examiners to get details necessary for OC.
* Held daily scrum meetings with Client including management and Team Leads.
* Worked on creation of user stories as part of Sprint Planning.
* Discussed in detail with team and held Requirement Analysis meetings on a regular basis.
* Made sure Developers coded and testers tested stories as per Acceptance criteria.
* Worked with other systems and business analysts to get requirements.
* This project involves Outgoing/Incoming and Error/Variance of data between PBGC and a Paying Agent.
* As an Architect, I have redesigned the application with Web Services, Struts, Spring and Hibernate based application.
* JUnit and End to End lifecycle development is implemented in Agile methodology based development.
* Design Patterns like MVC, Factory pattern, Spring based Declarative Transactions, Spring JDBC Data Abstraction and Hibernate are some of the features of this project. Developed ‘ Incoming Transmission’ module where daily files come from Paying Agent to PBGC through sftp and the file is parsed and information is stored in Oracle database through BPEL jobs.

**Environment**: J2EE, BPEL, JUnit, Oracle 11g, Struts 1.2, Spring, Hibernate 3.0 and Web Services.

**Client:** **FDIC (July 2009 to Dec 2010)**

**Project: Lockheed Martin**

**Role: Java Architect**

* Agile meetings were regularly held and met client regularly.
* LOB3 team at FDIC streamlined their multiple-apps using SOA based architecture. SOA based architecture with RSA and Weblogic as Application Server was used to migrate an existing application named CDIS from Oracle Application Server.
* As an Architect, I have redesigned the application and also re-architected other projects named IAMS and MAAPCO using Cloud Computing technologies with JBoss ESB Server.
* Multiple File Upload using JQuery and ADF was successfully implemented and redesigned the existing webservices streaming of uploaded files to Documentum by splicing the files similar to Netflix theme.
* JUnit and End to End lifecycle development using JSPs, Java Server Faces(JSF), EJBs, DAOs and Web Services.

**Environment**: Rational Software Architect, JBoss ESB, Weblogic 11g, Oracle ADF, J2EE, JUnit, Oracle 11g and Windows.

**Client:** **Internal Revenue Service (Nov 2008 to July 2009)**

**Project: IBM**

**Role: Java Architect**

* E-Procurement department of Internal Revenue Service streamlined their procurement process with a J2EE and Webservices system called 'Integrated Procurement System(IPS).
* SOA based architecture with RSA and Websphere as Application Server.
* Using Websphere Portal Server for portlets, UI was done in JSFs and JSPs with pagecodes.Work involved developing utilities like Organization codes, Place Codes, Procurement Codes and User Delegation.
* Extensively  developed batch processes for Purchase Card Notification, PCAO Notification, E-Mail logs etc.,
* JUnit and End to End lifecycle development using JSPs, Java Server Faces(JSF), EJBs, DAOs and Web Services.

**Environment**: Rational Software Architect, WebSphere 6.1, Websphere Portal Server 6.1, J2EE, JUnit, Oracle 11g and Windows.

**FannieMae Herndon, VA (Mar’08 to Sep’08)**

**Sr. J2EE Developer**

Work involved writing Unix shell scripts, creating java based interfaces and deployed to production for Liquid Investment Portfolio(LIP) for LLRI. Also worked on Java based Trading System called ‘PISCES’. Work involved deploying EJBs in weblogic environment and maintaining Web based application. Involved in heavy unix scripting and maintaining dev/test/production servers and writing ssh scripts.

**Responsibilities:**

* Involved in designing of application using **UML methodology.**
* **Prepared artifacts such as Use Cases,** sequence diagrams, class diagrams and deployment diagrams based on UML to enforce **Rational Unified Process using Rational Rose.**
* Prepared and analyzed Use Cases and designed the **UML components using Rational Rose 2000.**
* Use Case and Sequence Diagrams with Rational Rose UML. Identify Class & Operation specifications using **OOAD methodology** within the problem domain.
* Wrote **Procedures, Triggers, and Queries for business logic.**
* Developed web user interface and implemented MVC architecture using **Apache** **STRUTS** framework and **JSP**.
* Designed and developed functionalities for the module in **MVC pattern** using **Struts** framework.
* Used Struts tag library for implementing the **web interfaces.**
* **Worked with iBATIS2.3.1**
* Used **Struts Validator framework** for server side validations.
* Examined, Developed and accomplished using Webservices and SOA
* **Designed and Coded Tags**, action and Model Class to fit in Struts framework.
* Facilitate meetings, discussions and record resolutions to close the gaps in the draft Business Requirements before sign-off.
* Used **JavaScript for client side validations.**
* Performed Unit testing and Integration testing.

**Environment:** Java 1.5, JSP, Struts, Java Script, ANT, CSS, ClearCase, ClearQuest, Oracle 9i, Reporting Services 2005, Log 4j, BEA Weblogic 9.2, iBATIS 2.3.1, Unix and JUnit.

**Virginia Workers compensation Commission Richmond, VA Oct’07 to Mar’08**

**Sr. J2EE Developer**

Working on a JBoss Portal called CASPER! Casper involves integrating with 3rd party ROES EDI transactions, WebFile and online transactions. Legacy application is converted into a JBoss Portal with Portlets and EJBs. Designed and developed EDI based transaction oriented J2EE application for customers in the government sector. Lead IT scoping and tools for Stress testing including beta testing, marketing, branding, customer identification, and communication. Ensured operational efficiency by utilizing a SCRUM based AGILE framework.

**Environment:** JBoss 4.2.2, SQL Server 2005, Eclipse, XStream, XML, Windows XP, J2EE, EJB, SOA, Web Services (Apache-Axis), Design Patterns, SQL and Portlets.

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|  | **Servient Inc., Richmond, VA Mar’06 to Sept’07**  ***Project Lead and Manager***   * I have led a team of 25 developers for Servient Inc., who deal with Advanced searching tools for law firms. The project is outsourced to Pune, India and my role and responsibilities including managing the team from here and assigning tasks to developers and redesigning the architecture. Built the new framework and used Agile Methodology for refactoring of their code base. * Managed a group of IT staff remotely located in Pune, India * Conducted daily scrum meetings and updated status for senior management. * Designed and developed a company-wide project that introduced a new destination platform website for customers in the government sector. * Lead IT scoping and development and managed all aspects of new product introduction, including beta testing, marketing, branding, customer identification, and communication. * Managed multi-million dollar, federally funded project, on time and on budget, bridging charity offices in 40 states. * Ensured operational efficiency by utilizing a SCRUM based AGILE framework. * Architected and defined requirements within a team atmosphere, modeling and designing for a conversion from Java to dot Net platform. * Implemented smaller projects, including various search engines products, online messaging, and data/document import processes, and data/document management. * Worked on ‘Case Management Study’ for Servient and designed, developed applications using Weblogic 8.1 workshop. Work involved architecture, development, testing and deployment of the application. Developed Expense   **Environment:** WebSphere, SQL Server 2005, Eclipse, Sprint, XStream, XML, Windows XP, J2EE, EJB, Design Patterns, SQL, JSP, Crystal Reports XI /Business Objects XI R2, Oracle 10g, *Oracle9i, Excel, Windows XP.*  ***Performance Food Group Richmond, VA March ‘05 to Feb’06***  **Sr. J2EE Developer**  Assisted in bringing a 5-department manual workflow process on line, reducing the process time line, man hours, and errors.   * Lead a team of 20 people as an Architect for ”Catalog Item” application and designed and developed the application using Struts, Spring and Hibernate. * AS400 and SQLServer databases were used. Deployment and building ant scripts and production issues were solved. * Entire Software Development lifecycle implementation and Agile methodology was used and work involved hibernate mapping, database schema, coding service layer, writing JSPs using Struts and testing the application using Junit. |

Shaw Systems, Richmond, VA Mar’04-Feb’05

Senior J2EE consultant

**Project:** Spectrum and AFCU**.**

**Technology:** J2EE, EJB, JSP,Hibernate,JMS, Webservices,Struts, JavaScript, HTML, SQLServer,Oracle 9i, Eclipse 3.1, Weblogic , Spring , XML, Maven, JAXB

**Methodology** : Agile**.**

Worked on a J2EE financial product called 'SPECTRUM". Agile Methodology, Spring Framework and Hibernate are the main features of this project. Working as a senior J2EE consultant and heavily involved in back-end implementation using Hibernate and Spring features. Regression testing is done using ‘Fitnesse’ and a rules engine, "Blaze" used for business rules. Involved in the overall project design and implementation.

**Responsibilities**:

* Implemented Business Layer using stateless Session Beans.
* Involved in the Design and implementation of Persistence Layer using Hibernate
* Customized Blaze Advisor for customer specific rules.
* Implemented a adapter Layer that involved transforming flatfiles into XML and loading data into serviceLayer
* Impemented Variable screens for the web Layer.
* Implemented a adapter Layer that involved transforming flatfiles into XML and loading data into database after validating.
* Worked on a Conversion Project that involved Merging and splitting files into a destination file

CSREES,United States Dept. of Agriculture Aug’03- Feb ‘04

Washington,DC

#### Sr. Java Developer

**Project:** Electronic Application Gateway(EAG)

**Technology:** J2EE, EJB, JSP, Hibernate, JMS, Webservices, Struts, JavaScript, HTML, Oracle 9i, Eclipse 3.1,Toad,JBoss4.0.2, Ant**.**

The application was developed to view electronic grant applications.

It has 2 modules. The webservice module is invoked by internal applications which send requests for accessing a list of grant applications, burning CD's using third party Client aPI of Rimage and also printing Grant Proposals. The requests for burning CD's and printing proposals are maintained in 2 seperate queues. The status of each request in the queue is queried and the current status is maintained in the database.

**Responsibilities**:

* Analyzing use cases and developing design diagrams.
* Wrote a webservice using JAX-RPC for the System interface module.
* Implemented JMS API as part of the application.
* Used Hibernate 3.0 for O/R Mapping and Persistence.
* Used Struts and tiles for developing UI.
* Designed the data model for the application.
* Implemented various design patterns including Business Delegate, Façade, Singleton, MVC, DTO and DAO.
* Used CVS as source code control.

**Project:** Communication Distribution System(CDS)

**Technology:** J2EE, EJB, JSP,Hibernate,JSF,Struts, JavaScript, HTML, Oracle 9i, Eclipse 3.1,Toad,JBoss3.2.3, Ant**.**

Developed a parser that accepts grant applications from grants.gov in XML format and loads the data in the current system(CREEMS) database. Also developed a user Interface called EAV which displays all the proposals entered into the database to be reviewed by peer reviewers.

**Responsibilities**:

* Analyzing use cases and developing design diagrams.
* Designed and developed EJBs as part of the application.
* Used Hibernate for O/R Mapping and Persistence.
* Used Struts and JSFs for developing UI.
* Developed ANT scripts for building and deploying the project.
* Implemented various design patterns including Business Delegate, Façade, Singleton, MVC, DTO and DAO.
* Used CVS as source code control.

Trilegiant Loyalty Solutions Richmond,VA Oct’02-Jul ’03

Sr. Java Developer

**Project:** Promotions for Avis Rental Car

**Technology:** J2EE, EJB, JSP, JavaScript, HTML, Oracle 9i, TogetherJ,Toad,WebLogic7.0, Ant, DreamWeaver, SunOS , HPUX**.**

Developed a module called Promotions Manager which calculates the promotions based on the data from the client. This data is sent as batch file which is validated in the backend using Oracle Stored Procedures. Once the data is validated it is placed on the queue and sent to an EJB which performs the necessary Business Logic. The resulting data is then inserted into the oracle database.

**Responsibilities**:

* Analyzing use cases and developing design diagrams.
* Designed and developed EJBs as part of the application.
* Wrote Oracle Stored Procedures as part of the application.
* Developed ANT scripts for building and deploying the project.
* Used Together to generate class diagrams and sequence diagrams.
* Implemented various design patterns including Business Delegate, Façade, Singleton, MVC, DTO and DAO.
* Used PVCS as source code control.

**Project:** Enhancements to Capital One web-sites

**Technology:** Struts Framework,J2EE, EJB, JSP, JavaScript, HTML, Oracle 9i, TogetherJ,Toad,WebLogic7.0, Ant, DreamWeaver, SunOS , HPUX**.**

Developed various enhancements for the capital one small business and marketing sites.

**Responsibilities**:

* Designed and developed EJBs, JSPs & Struts Actions as part of the application
* Wrote JSP front-end validations using Struts validator and regular expressions.
* Developed different page layouts using Apache Tiles.
* Implemented various design patterns including Business Delegate, Façade, Singleton, MVC, DTO and DAO
* Developed ANT scripts for building and deploying the project.
* Used PVCS as source code control .

#### McKesson, Richmond, VA Apr’01 – Sept’02

#### Java Developer

#### Project: Supply Management Online

#### Technology: HPUX,Java, J2EE, JavaScript, Struts, XML, HTML,DB2, Weblogic 6.0, TopLink

Worked on a web based application called “Supply Management Online”. This application resides on a WebLogic Server. Using socket connections, WebLogic server is connected to 43 different Vax machines located in various geographic locations around USA and 4 AS400 machines which maintain the front-end interface. Responsibilities involve writing various servlets and EJB components like Ordering, Pricing, Shipping, Purchasing, etc., XML based transactions are made to AS400 machines for transporting the data.

**Responsibilities**:

* Understand functional requirements.
* Design and document technical design for the functional specs.
* Implement back end framework for business logic through EJBs
* Design and implement interfaces for integrating the application server with AS400 servers.
* Develop JSPs, custom tags and action classes using Struts framework
* Wrote deployment scripts for implemented EJBs using Ant.

AT&T, Herndon,VA Aug’00-Mar’01

**Java Developer**

**Project:** WebApplication for Long Distance Services

**Technology:** SunOS , HPUX,J2EE, EJB, JSP, JavaScript, HTML, Oracle, WebLogic6.0, Tomcat 4.0, Ant, J2EE and Struts framework**.** Worked on building a Struts framework and implemented it with J2EE and WebLogic 6.0. Involved in the architecture and usage of design patterns. JSPs, servlets and EJB classes were written.

**Responsibilities:**

* Analyzing use cases and developing design diagrams
* Design data model for Account Management and Account Billing modules.
* Design back end architecture for Account Management and Account Billing System using J2EE patterns.
* Define, implement and deploy EJBs for data access and business logic (Service layer and Domain layer).
* Used JUnit for unit testing, and devised test plans for all the developed modules.

#### Nextel Communications, Reston, VA Sept ’99 - June’00

#### Software Engineer

#### Project: Call Restriction Service

#### Technology: HPUX10.2,Java,J2EE, JSP, XML, XSLT1.0, Resin1.1.5, SAXON

Worked on a vertical application called “Call Restriction Service”. This feature reduces costs by restricting specified phones from making and/or receiving cellular calls. This feature is part of the Account Manager feature available on http://www.sprint.com. Also worked on adding “PacketData” feature to the site. Work involved writing Java classes and writing EJBs, Servlets and JSPs. Worked heavily in the architecture of the system. Sequence and Class diagrams were developed.

**Responsibilities**

* Understand functional requirements.
* Design and document technical design for the functional specs.
* Wrote JSP custom tags as part of the project.
* Wrote deployment scripts for implemented EJBs using Ant.

**AT&T,** Herndon, VA.

Senior Consultant

Duration: Mar'99 to Nov'99

**Environment**:    Sun Solaris 6500, JDK1.2 and Oracle 8i, SunOS 5.6, HPUX10.2, NT,DEC Alpha, Netscape Server3.5, OAS 3.0, Jsdk2.0, jdk1.1,  Java1.2, Perl 5.0, \_JavaScript2.0, SunOS 5.6, HPUX10.2, NT, Netscape Server 2.5, Apache 1.2, Perl5.0

Work involved programming in Java and Unix shell script as part of "Interactive Advantage" application, which authenticates various AT&T intranet applications. LDAP was used and later the application is upgraded using Oracle 8i LDAP protocol. Sockets were used for communication.

Designed and developed a servlet based application called "BigDaddy". Also led a team in building an online order entry for Business markets. Helped in writing PERL script to generate Local Access Numbers on various AT&T Intranet sites.

Responsibilities involved administering 12,000 HP Unix workstations and 25,000 PCs for AT&T nationwide. Involved in writing CRON Jobs and Java programs to automate different processes.  Server Side \_JavaScript and Servlets were written too.

**CACI Federal Inc.**          Fairfax, VA. (May'96 to Aug'97)

Systems Analyst

A web based Logistics Data quality(LDQ) checker was developed. The system used UNIX sockets to distribute an executive component with several child checker components. Interface to the WEB client was achieved through the Common Gateway Interface(CGI). The child checker components accessed Oracle 7.1, Flat files and Retrievalware, a full text and image search engine by Xerox.

**Environment** - HPUX 9.x, C++, Java, HTML, Retrievalware and Unix Sockets.

NASA Goddard Space Flight Center,       MD. (Sep'95 to May'96)  
Programmer/ Analyst

Worked as a Peer Review Programmer for developing and updating NASA Education program. Working environment was SGI machines and the software languages used were C, Perl, HTML and Java. Worked on various Perl libraries for automatic updating of logfiles and Internet E-Mail enrollment. A Proxy Server using Java program to connect to various clients was also simulated. The URL for this Electronic Management System for NASA is htttp://ednet.gsfc.nasa.gov/gsrp.

Environment - SGI, C, HTML, PERL, JAVA.