

## **Marla D. Bonar**

6620 Robin Willow Ct  
Dallas, TX 75248

marla\_db@yahoo.com

### **Senior Software Engineer/Project Lead**

#### **PROFESSIONAL HIGHLIGHTS:**

- Results oriented professional with more than twenty years experience in full lifecycle software development and project management of complex software engineering projects.
- Demonstrated technical, analytical and software engineering skills, including requirements analysis, design, development and test phases of software applications. Received MMES Technical Achievement Award for design and implementation of a \$1M+ prototype for the FBI.
- Skilled in OOA/OOD, Java, J2EE, PHP, Ruby on Rails (RoR), C/C++, CORBA, NT, UNIX, UML, Assembly and GUI programming.
- Strong negotiating, communication, problem solving and team leadership skills.
- Proficient in Microsoft Office applications.
- Author of "Java Tip 94: How to open a non-HTML document from a servlet"  
<http://www.javaworld.com/javaworld/jw-tips/jw-javatip94.html>

#### **PROFESSIONAL EXPERIENCE:**

**IntelliCentrics**, Flower Mounds, TX  
Credentialing Web Application  
**Sr Developer/Scrum Master**

**Jul 2012 – present**

- Developing the next generation Staff Credentialing web application using Ruby on Rails (RoR) using Test Driven Development (TDD) in an Agile environment. Created a dynamic form generator to handle the 200 medical staff forms and field level role based access control (RBAC), including writing rspec and cucumber selenium tests. Working closely with the Product Owner to refine requirements and help groom backlog. Research enterprise software solutions such as WSO2.
- Member of small team of developers expanding and maintaining Reptrax, a web application in the health care and security industries that tracks credentials of vendors to determine entry into Hospitals and Health Care Facilities.
- Developing all areas of the web application, front end JavaScript, jQuery, to back end, SQL.
- Performed Scrum Master role for Reptrax team in addition to application development. Worked with Product and QA to plan sprints and releases. Directed team during periods when there was no Senior technical management, representing development to the Senior Executive VP.
- Evaluation and Integration of third party software into the application, including customizing web service communications between Reptrax and Moodle Learning Management System (LMS) and developing the Training Module. Other third party software included background check service and Zuora payment service.
- Actively working to improve work process and productivity including leading several successful initiatives such as project tool selection and scrum process workflow improvements.
- Technologies utilized: RoR, rspec, Cucumber, PHP, Linux, mySql, Postgres, Moodle, JQuery, JavaScript, Bootstrap, Zuora, Eclipse, Netbeans, Apache, Git/Git-flow, SVN, Cachegrind, OracleVirtualBox, JIRA, OnTime, LAMP stack, OSX.

**Intuit**, Plano, TX

Tax Software

**Sr Software Engineer**

**2007 – 2012**

- Agile team member of Tax Online SaaS product used by accounting professionals to prepare taxes online, from market test to product launch and on. Developed both model driven server side web services and client side features, as well as translated legacy input screens and data for use in the online product.
- Part of full lifecycle sprint planning, task breakdown, daily scrum and user story execution.
- Introduced tutorial videos and A/B testing into the product with the use of Adobe Test&Target and jQuery.
- Ran the daily CCB meeting and also participated in troubleshooting production issues, enterprise escalations and production releases.
- Technologies utilized: Java, Spring/Hibernate, Flex, XML, XSLT, JAXB, JavaScript, Eclipse, JBoss/Apache, Sculptor, Oracle/SQL, Ant, Maven, Enterprise Architect, Rally, Perforce, on UNIX and Vista.

**StreamVantage Corporation**, Plano, TX

Startup Streaming Media Infrastructure

**Architect/Developer**

**2003 – 2007**

- Co-architect and developer of a streaming media product designed to provide a common, real-time collaborative infrastructure for the various roles involved in streaming media, such as Content Providers, Advertisers and Network

Operators. Developed customized editors in SWING.

- Technologies utilized: Java, XML, XML schemas, XSLT, Xerces, Apache Tomcat, Adobe GoLive HTML/JSP, CodeWarrior, PostgreSQL (SQL), DBVisualizer, QuickTime and Swing.

**Avid Technology, Inc.,** Tewksbury, MA

**2001 – 2003**

Video Editing and Internet Technology (NASDAQ: AVID)

**Interop Architect/Program Manager** of Avid Production Network, a Strategic Business Unit reporting to the CTO. Review tools for the round trip of frame accurate comments into the editing systems.

- Member of the interoperability architecture group designing the framework to seamlessly communicate data and metadata among Avid's suite of products. Key contributor in proposal preparation, product specification, and design.
- Technologies: OMF, C++, Java, QuickTime for Java, CodeWarrior and LDAP.

**Program Manager** Avid Workgroups Services, collaboration and asset management tools for the content creation industry.

- Led cross functional program teams of software engineering, beta, test, tech pubs, sales, marketing, finance, legal, customer support, release engineering and manufacturing representatives worldwide.
- Managed project schedules, cross-functional deliverables and plan of record. Presented program status and life cycle phase reviews to CEO and senior staff. Worked with group leads to coordinate program decisions and mediate tradeoffs to meet goals. Defined and implemented process improvements.
- Worked with key customers, Hollywood studios, broadcasters, to deliver enterprise tools for film and video.

**Greenbrier & Russel,** Phoenix, AZ

**1999 – 2001**

**Software Consultant** Subcontracted with Sun Professional Services

Key contributor in **Motorola's Semiconductor Products and Services** EBusiness architecture group.

- Lead Software Architect on EBusiness IT team. Worked closely with IBM's WebSphere developers to resolve issues/bugs involved with the deployment of Motorola's web applications.
- Coordinated the EBusiness development effort. Developed underlying business logic servlets and JavaBeans. Created a JavaBean that uses XSLT to translate XML documents, and wrote XSL stylesheets to translate legacy XML documents. Target platform is a clustered, multi-server Solaris environment incorporating multiple firewalls, Cisco director, DMZ and trusted network. Technology used: VisualAge 3.0, Java, RATIONAL ROSE98, WebSphere 3.x, WebLogic 5.x, Apache SSL, JSP, JSDK, JDBC-DB2, XML, XSL, XSLT, ROSETTANET, MQ Series, UML, LDAP, TCP/IP.
- Technical Project Lead of Global Shopping Cart initiative utilizing B2C and B2B technologies.
- Identified and evaluated technology vendors, worked with Motorola Marketing and Sales groups to determine business requirements and interface with distributors to coordinate B2B transactions.
- Generated project documentation including Project Plan, Risk Analysis and Requirements documents, including conceptual UML diagrams.

**NetPro Computing, INC.,** Scottsdale, AZ

**1998 – 1999**

**Lead Senior Software Engineer**

- Led development team for a Novell Directory Services (NDS) traffic analysis tool capturing packets and graphically displaying data for monitoring and troubleshooting network performance. Wrote the Java client that runs on Win32 and NetWare servers with a JNI bridge to the server side C++ code running on NetWare servers. Utilized OMT, evaluated and integrated third party software, and integrated tool into Novell's ConsoleOne management console. Technologies: Java, C++, Symantec Café, Jbuilder, Visual Studio.

**CNET, INC.,** Plano, TX (Acquired by Glenayre)

**1996 – 1998**

**Senior Software Engineer**

- Co-architected a next generation Cellular network monitoring and modeling tool. This project was a significant design and implementation effort of an architecture prototype - C++ was used to interface with the Versant OODBMS that was used to persist the CORBA objects in the system. A number of interesting issues had to be overcome, such as the fact that Orbix requires implementation classes to use virtual inheritance, while Versant forbids use of virtual inheritance. Implemented Java clients that ran on PCs and C++ server code on Solaris. Used OOA/OOD, Booch to diagram class relationships and use case generation to test the validity of the design.
- Evaluated third party software, tracked project and applicable technologies.

**INET, INC.,** Plano, TX

**1994 – 1996**

**Programmer/Analyst**

- Programmed C++, Motif, Display Postscript and X-windows on Sun workstations for an SS7 based client-server telecommunications monitoring system. Used SS7 and SNMP protocols.

**Bell Atlantic,** Frazer, PA (Division sold)

**1993 – 1994**

**Software Engineer**

- Developed the cross platform user interface in C, C++, Motif and X-windows on IBM RS6000, DEC alpha and Sun SPARCstation 2 for a 9-1-1 emergency tracking system.

**Oak Ridge National Lab, Martin Marietta Energy Systems, Oak Ridge, TN****1992 – 1993****Computing Analyst II****DOE Q Clearance**

- Architected Latent Fingerprint processing station for the FBI to compare, enhance, and manipulate fingerprint image data. Determined functional requirements, rapid prototyping, and integrated current FBI technology. Programmed in C with Motif user interfaces on Sun SPARCstation 2s.
- Convinced the workflow infrastructure team to go with an Object Oriented approach for an FBI Fingerprint Processing Workstation system that manipulates and tracks image and text data over a distributed environment. System was integrated and tested on-site at FBI Headquarters. Software written in ANSI C on Sun SPARCstations, Sybase database. At the conclusion of the project, it was noted that the success of the project was due to OOD, and I was subsequently awarded the MMES Technical Achievement award for my design and implementation work on the project.

**Electrocom Automation, L.P., Arlington, TX****1985 – 1992****Software Engineer**

- Project lead of a diagnostic image processing system for the U.S. Post Office. Performed proposal, design, development, implementation, field testing, user training, and final product release. Software: C, DCL, DECwindows and X-windows. Developed a real-time document processing system, coding in Assembly on pdp-11. Included a six-month assignment in Germany.

**EDUCATION:** B.S. in Computer Science and Engineering, UNIVERSITY OF TEXAS AT ARLINGTON