

JOHN A. MARSH

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SUMMARY

Web Development professional with 12 years of experience in full cycle development and a proven track record of meeting clients' expectations and producing user-friendly applications. Expertise includes over 5 years of Java, 8 years of PHP and 9 years of Cold Fusion experience.

WORK EXPERIENCE

RHO, INC.

Sr. Software Engineer & Manager of Software Development, January 2008 to Present

- Serve as the team lead and developer for the RhoEDC application (CRF Part 11 compliant Electronic Data Capture); oversaw the release of three versions of the RhoEDC product, now used for 33 clinical trials. Technologies used included Java, JSP, JavaScript, Hibernate, Oracle, PL/SQL, Apache, Tomcat, XML, XHTML, CSS, DWR (Direct Web Remoting - AJAX), JUnit, Selenium, and CruiseControl.
- Updated Rho's proprietary single sign on (SSO) solution ("SAM") to keep more accurate audit trails. Technologies used included Java and Oracle.
- Applied Rho's new branding design to RhoEDC and SAM. Technologies used included JSP, Groovy/Metal, Photoshop, XHTML, and CSS.
- Promoted from Senior Software Engineer to Manager after 10 months for demonstrating strong leadership, development and project management skills. Oversees the development of eight software products and nine direct reports.
- Received the Team Presidential Award in August 2008 for ensuring the timely release of RhoEDC v4.06 and introducing programming process principles that enabled Quality Control, Validation and Software Development to work together effectively.
- Participated in designing, coding, testing, debugging, configuring, and documenting new and existing software applications.
- Introduced Agile principles into the software development process resulting in better communication, a focus on deadlines and kept the development cycles on a regular schedule.

BLUE CROSS AND BLUE SHIELD OF NORTH CAROLINA

Web Design Manager, July 2007 to March 2008

- Oversaw and assisted with the implementation of the Saegis Benefits web site and the continued implementation of the web site redesign for the BCBSNC web site. Technologies used included ColdFusion, Java, JSP, XHTML, CSS, JavaScript, Dreamweaver.
- Managed 4 full time employees and contractors ensuring goals and project deliverables were met.
- Provided technical expertise for the implementation of the Interwoven content management system.
- Provided technical XHTML and CSS design for the web content management project, along with supporting JavaScript programming.

Web Developer, October 2000 to December 2007

- Served as the lead developer for the Provider Search application, which delivered 9,000 search results per day. This is a Java, Struts, and DB2 application on an AIX WebSphere server.
- Developed the Producer Rate Quote, which provided 1,000 quotes per day. This application was built with Java, Spring, JSF, JavaScript, AJAX, and DB2 technologies.
- Worked with consultants to begin work with portal and portlet technology for the Consumer Rate Quote application, which provided 3,000 quotes per day to potential new members. Worked with WebSphere Portal Server.
- Improved Blue Advantage, Short Term, Administration Panel, and Blue Points applications by porting their databases from Access and Oracle to UDB allowing BCBSNC to save money on database licenses and improve reliability.
- Repaired and improved the Blue Points and Blue Advantage applications, which served 53,000 active members, 29,000 of which signed up in 2007. Technologies used included ColdFusion, ColdFusion Administrator, Perl, IIS, XHTML, DHTML, JMeter, Photoshop, CSS, and JavaScript.

- Played a key role in the technical design and implementation of two BCBSNC.com redesigns and the Partners Health site. Technologies used included ColdFusion, JSP, Prototype, Script.aculou.us (AJAX), DHTML.
- Developed the framework that customized 6,000 member's web site experience per day based on their line of business with ColdFusion.
- Implemented HIPAA compliant, proprietary single sign-on (SSO) solutions for the Hospital Comparison Tool, Dialogue Center and Healthwise Knowledgebase applications to provide a seamless experience for 175 members per day visiting partner web sites in ColdFusion.
- Lead programmer for the HitBox JavaScript code that provides the majority of web site statistics for internal and external web sites written in ColdFusion, Java, and FrontPage.
- Developed test scripts in JMeter for all major applications that successfully prevented errors from interfering with development.
- Wrote the interfaces for two Java internal applications (CMIDweb and CUBSweb) using JSP, WebServices, XSL, and JavaScript both of which are used daily by BCBSNC customer service representatives.
- Developed error handling and customer feedback systems for ColdFusion and Java applications to immediately notify web developers of errors on the site enabling them to take a proactive approach to solving problems and better serving customers.
- Developed the interface for the Google Mini search engine project using HTML.
- Performed regular web analytics analysis using Analog and Unix shell scripts.
- Earned six "Blue All Stars" for customer service.

RESEARCH TRIANGLE INSTITUTE, RTP, NC

Webmaster, January 2000 to September 2000

- Served as a system administrator for the Intranet and Internet servers including directory structure, search engine indexing, and database maintenance.
- Researched, documented, and implemented standards for the marketing Web site, specifically W3C XHTML, CSS, and ADA Section 508 accessibility.
- Converted all the Web site's databases from MS Access to MS SQL Server 2000 which improved performance and reliability.
- Implemented a templating framework in ColdFusion to provide consistency and ease maintenance.
- Developed interfaces for internal and external applications using ColdFusion, Photoshop, CSS, and XHTML.
- **Technologies:** ColdFusion, ColdFusion Administrator, XHTML, CSS, JavaScript, Thunderstone Webinator, Verity Search 97, WinSite, IIS, Windows NT Server, MSSQL

Programmer Analyst, August 1998 to December 1999

- Developed Web applications for internal, local, and international web sites.
- Wrote code and developed the database structure that became the foundation for several project sites designed to assist in worldwide communication.
- Co-wrote Visual Basic 6 / ADO / SQL applications to track work hours and provide a charging system for the telephone survey division.
- Converted two web applications from Visual Basic and HAHT into ColdFusion.
- **Technologies:** Visual Basic 6, MS Access, VBA, ColdFusion, XHTML, CSS, MSSQL, WinBatch, HAHT

PC Systems Specialist, July 1995 to August 1998

- Wrote and updated corporate programs using WinBatch designed to manage network connections while running network software.
- Developed a standard software installation process using Ghost that was used by all PC technicians to set up new machines.
- Developed an inventory database in MS Access to help manage computers and peripherals.
- **Technologies:** MS Access, VBA (VBScript), DOS scripts, WinBatch, Ghost, VAX/VMS

OTHER RELEVANT EXPERIENCE

Freelance Web Developer, ThreeLeaf.com, November 2000 to Present

- TC4.us - Treasure Chest Facebook application written in PHP, JavaScript, MySQL, and the Facebook API. Graphical work was done with Photoshop CS3 and Blender.
- TunisLandingBaitShop.com - Built web site using Drupal, Gallery2 and Zen Cart. Developed all graphical content and layout.

- MissNC.org - Complete redesign of site including graphics, layout, and navigation. Developed a process to easily post pictures and announcements using Macromedia Contribute and PHP.
- MovieAdvisor.com - Developed several major pieces of functionality, including a new rating service, review mechanism and administrative features; implemented redesign of the site in ColdFusion and Access. Developed assets and tracking for e-mail campaigns. Implemented PayPal payment process.
- AISurvival.org - Brought all code up to current standards and performs annual maintenance.
- IronCoach.com - Designed solutions that included a complete exercise recording and reporting system as well as an administrative panel. Developed all code and database structures in ColdFusion and MS SQL 2000. The keystone of this application is the coding for a customer-specific pivot table module in SQL.
- **Technologies:** PHP, MySQL, Apache, Linux (LAMP), Drupal, XHTML, CSS, JavaScript, Prototype, Script.aculo.us, Contribute, Photoshop, Corel Draw, GIMP, Captcha.

EDUCATION

University of Wyoming, MS Chemical Engineering, 1993, GPA: 3.6

University of Wyoming, BS Chemical Engineering, 1992, GPA: 3.6

University of Wyoming, BS Molecular Biology, 1990, GPA: 3.6