

Marc Baumbach

- Objective To further my communication and software development skills as well as provide my current abilities to assist in the development and design of computer software. Currently employed fulltime at IBM.
- Education Rochester Institute of Technology Rochester, NY
- B.S., Software Engineering (*Graduated, May 2008*)
 - Concentration: Communications*
 - PFOS GPA: 3.8, Cumulative GPA: 3.4, Dean's List
- Experience Summer 08-Present IBM Software Group – Rational Research Triangle Park, NC
- Staff Software Engineer
- Worked on initial release of Rational Requirements Composer, focusing on the user interface Sketching and Rich Text editing features.
 - Lead developer for the Requirements Management portion of the Jazz Collaborative Lifecycle Management software suite and lead a team of developers via project planning, technical direction, and design to develop an integration between Rational Team Concert, Rational Quality Manager, and Rational ClearQuest.
- Summer 07-Fall 07 IBM Software Group – Rational Research Triangle Park, NC
- Co-Op Pre-Professional Software Engineer
- Worked on the Common Desktop Build team developing tools to automatically extract NL content from source files.
 - Assisted in integrating static code analysis to common build system to aid in finding performance issues with source code.
 - After finishing tasks with build team, moved to Application Sketching team developing features for a new and unreleased product that will allow users to create mockup user interfaces and storyboards.
- Summer 06-Fall 06 Bush Communications/IDM Rochester, NY
- Lead Software Engineer
- Developed rich database-backed web applications using Ruby on Rails, J2EE, and PHP.
 - Designed and fully developed into production environment a web based live chat system using Ruby on Rails and Adobe Flash.
 - Designed and developed internationalized website currently supporting seven languages with the ability to add more via a Content Management System.
- Summer 05-Fall 05 IBM Software Group – Rational Research Triangle Park, NC
- Co-Op Pre-Professional Software Engineer
- Worked with Rational build and integration team developing tools to assist in compiling, integrating, and publishing build information to a dynamic J2EE based website.
 - Designed new build process architecture around client/server based applications for RAD builds.
 - Developed Java programs, Apache Ant scripts, JSP and Servlets, and Object Rexx scripts to accomplish build automation and dependency verification.

- 2004-2006 ITS Resnet - Rochester Institute of Technology Rochester, NY
Senior Residential Computer Consultant
- Helped develop and used strategies to clean virus infected computers, as well as provide tools to prevent further infections.
 - Provided technical support to students, including hard-of-hearing (NTID), across broad ranges, including, but not limited to, networking, security, software, and hardware.
- 2002-2005 Rochester Institute of Technology Rochester, NY
Database Manager and Web Site Developer
- Developed completely dynamic web site for RIT's Scholastic Art Awards.
 - Managed entire database operation for the 2004-2005 Scholastic Art Awards.
- 2002-2003 Leading Light Designs Online
Freelance Web Programmer Using eLance.com
- Redesigned backend of client's web site so the site could be updated using a custom built control panel using PHP and MySQL database.

Qualifications

Technical Skills

- **Programming Languages:** Java, C/C++, Ruby on Rails, PHP, SQL, JSP/JSF/Servlets, C#.NET Framework/Windows Forms/Web Forms, XML, XSLT, Apache Ant, ActionScript, Objective C/iOS, Visual Basic, HTML, Assembly, JavaScript/AJAX, Zed, ASP, CGI/Perl, BASIC, VBScript, and Object Rexx.
- **Operating Systems:** Microsoft Windows from versions 3.1 up to and including Windows 7. Apple OS X, OS 9. Server administration experience on Ubuntu, Red Hat, Mandrake, and Gentoo Linux. Experience using Solaris 9.
- **Software:** Eclipse, Jazz, SVN/CVS/RCS/Git, Ant, Rational Application Developer/RSA/RSM, Tomcat/JBoss, DB2, Rational Rose, NetBeans, Microsoft Visual Studio, Adobe Flex, Microsoft Office.

Projects

- Co-founder/Lead developer of RadRails (<http://www.radrails.org>) project, a Ruby on Rails IDE built on the Eclipse Rich Client Platform framework.
- Technical lead on senior project: a client/server Log4J log viewer and parser utilizing Eclipse RCP.
- Command pattern based, multi-threaded client/server TCP protocol framework with support for systems that require client-representative interactions, developed in Java.
- Multi-threaded chat program with buddy list, elementary level spelling teaching aid, both built using Java.
- Distributed maze game utilizing Java RMI.
- General problem/puzzle solver implemented in C++ using a strategy pattern.

Merits

- Spoke at EclipseCon 2006 about RadRails project.
- RadRails won the Best Open Source Eclipse based Developer Tool at EclipseCon 2006.
- RadRails won the Open Source Pavilion Award at EclipseCon 2006.
- Spoke at RailsConf 2006 about RadRails project.
- RadRails is featured in nearly all Ruby on Rails books and is the featured editor in *Ruby on Rails for Dummies*.
- Dean's list for six quarters at RIT.