

# Marc Baumbach

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## 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

### **Advisory 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, SPARQL, 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.
- Open source object-relational mapping framework, based on ActiveRecord, written in Java (<https://github.com/mbaumbach/jdorm>).
- Technical lead on senior project: a client/server Log4J log viewer and parser utilizing Eclipse RCP.
- Technical lead on DoTheData, which helps teachers plan and measure goals for students.

**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 the featured editor in the book *Ruby on Rails for Dummies*.
- Second place in 2008 RIT Business Plan Competition for Hotel Proxy.
- Second place in 2011 Triangle Startup Weekend for DoTheData.
- Second place in 2013 American Underground Hack-A-Thon for Varnish.
- Dean's list for six quarters at RIT.