

Zachary Halbrecht

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Objective:

To become a member of a small team focused on designing, creating and supporting high visibility Web applications that work cross-platform, cross-browser, and adhere to sound design principles using current technology

Experience:

Software Developer, StreetEasy.com, New York, NY
September 2008 - Present

- Implemented new features for StreetEasy.com taking ideas from conception to completion using Ruby on Rails and JavaScript
- Managed cluster of Amazon EC2 instances allowing for easy provisioning of new servers to accommodate steadily growing traffic [quantcast stats]
- Acted as technical liaison providing analysis to management, clients, and partners for designing solutions and estimating project schedules
- Analyzed and fixed performance issues throughout the application. Added indexes to appropriate database tables, debugged memory leaks in long running batch jobs, and cached expensive page components using memcached
- Wrote and maintained hundreds of web scrapers in Ruby to acquire, validate, and republish data from external sources

Lead Rails Developer/President, Shiny Metal Assets, Inc., New York, NY
February 2007 - March 2008

- Designed and developed a Web 2.0 RSS aggregator (ajarr personal portal) using Ruby on Rails, MySQL and JavaScript
- Co-founded a company to help orchestrate sale of software and intellectual property related to Ajarr [press release]
- Engaged with designers and product manager to add new features to Ajarr including a feed creator and administrative reporting, further solidifying the product and eventually rereleasing it as Flywheel via TalkPoint Communications, Inc. [Flywheel]

Senior Director, IT, International Institute for Learning, Inc., New York, NY
January 2007 - September 2008

- Constantly managed numerous projects often leading teams in designing solutions, instilling software/web development best practices and troubleshooting issues during development efforts
- Developed build and deployment processes using NAnt to manage Web site and product releases - in one case reducing the build/packaging/distribution cycle from several days to several minutes
- Deployed Mantis bug tracking software and trained staff in its use to document and report on outstanding issues across all IT initiatives
- Performed migration of numerous key resources from unsatisfactory, disparate hosting

- environments into secure, fault-tolerant data centers
 - Services migrated include: SharePoint Services 2003 implementation, iil.com Web site, web-based products, and Centra, IIL's platform for delivering live eLearning courses
- Led team of three engineers during deployment of Exchange Server 2007 for 15 locations throughout the world
- Diagnosed performance issues and implemented fixes for PHP/postNuke based community Web site allPM.com

Senior Programmer/Analyst, International Institute for Learning, Inc., New York, NY
August 2002 - December 2006

- Architected a CMS used to deliver project management methodologies and best practices
 - Included development of a process diagram editor in C# which published user created diagrams to server in a subset of the SVG format
 - Creation of ASP.NET 2.0 component to render SVG-based diagram definitions into JPG images able to be displayed in a web browser without the use of non-standard plugins
- Developed templating system for iil.com using ASP (VBScript) allowing marketing team to make sweeping, site-wide design changes by modifying a small number of HTML and CSS files
- Modified off the shelf E-Commerce software to meet requirements for selling and fulfilling event registrations and scheduling
 - To date this registration system has processed more than 50 million USD in course and product sales by customers and salespeople since its deployment in 2002
- Installed, configured and managed a multi-user Subversion implementation to protect and organize source code on a company wide basis

Web Developer, GlobalinX Corporation, Morristown, NJ
September 1999 - June 2002

- Developed Classic ASP (VBScript) web applications including a HR portal used by job candidates to submit resumes and by internal staff to manage the application process
- Directed and published promotional websites using Flash

Lead Guitarist, Blu Velvet, New York, NY
September 1999 - May 2000

- Played guitar for band co-writing music and performing at venues in New York City
- Helped design and maintain a Web site to market ourselves to a larger audience

IT Intern, Obik, LLC, Princeton, NJ
June - August, 1999 - 2000

- Acted as technology consultant researching software suites and hardware, and assisting colleagues with technical issues
- Beta tested products and debugged VBScript code

Education:

Rutgers University/Rutgers College, New Brunswick, NJ
BS Computer Science, Minor Music

Proficiency Summary:

Programming Languages: C#, JavaScript, Ruby
Web Development Frameworks: Ruby on Rails, Sinatra, .NET
Database and Data: JSON, MySQL, Microsoft SQL Server, XML

