

Michael Macasek

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PROFILE

I am pursuing the opportunity to lead a team of dedicated engineers, creating software that delivers delight to its users. I am seeking a position, which will allow me to maintain my technical expertise with bleeding edge technologies while continuing to augment my project management skills.

EXPERIENCE

Lead Engineer, CoGo Labs, Cambridge, MA

Oct 2012 - Present

Utilizing: Ruby, Ruby on Rails, Go, Javascript, CSS, HTML, MySQL, Postgres, Redis, RabbitMQ, REST,

Currently leading the effort architect and build a core platform to meet our current and future needs. This platform provides the backbone for management of user acquisition, user outreach and ongoing user engagement supporting all aspects of the business including new incubations and successfully spun out independent businesses. This platform is focused on high availability, high scalability, and high throughput as well as ease of use for managing user and outreach.

Additionally I built and maintain a set of libraries to make it easy to stand up a new prototype and prove out a market quickly allowing for the team to focus on determining the markets value instead of building basic capabilities.

Architect, Where/PayPal/eBay, Boston, MA

Feb 2011 - Sept 2012

Utilizing: Ruby, Rails, jQuery, HTML, Javascript, CSS, MySQL, nginx, Passenger, unicorn, Capistrano, AWS, Titanium Appcelerator, RubyMotion, and more.

As the leader of the Web Applications Team, I lead a group of ten dedicated engineers in delivering compelling web applications for internal and external users. In addition to leading the Web Application Team, I led a company wide effort to deliver applications for demand generation, including advertisement and offer campaign management, publisher management, and a self service portal. Prior to being acquired by PayPal, I led efforts to provide a self server portal for small and medium size businesses to run advertisements and offers through the Where Ads product.

I worked closely with the product and design teams to deliver features to best meet our customers needs. Routinely working closely with other engineering teams to solve problems and develop new and innovative features. Integrated with third party payment platforms. Provided an API allowing our native mobile applications to integrate with our merchant created offers. Prototyped mobile native and web applications to further enhance our benefit to our users. Identified new and emerging technologies for potential integration into our stack. Helped to establish best practices throughout the organization.

Where Inc was acquired by eBay/Paypal in April of 2011.

Senior Software Engineer, oneforty, Cambridge, MA

Sept 2009 - Jan 2011

Utilizing: Ruby, Ruby on Rails, AJAX, Javascript, JQuery, HTML, CSS, SQL, Capistrano, nginx, Apache, EngineYard, AWS, MySQL, Redis, and more.

TechStars incubated, VC funded startup building an ecommerce platform for social media applications, initially focusing on the Twitter ecosystem. Worked closely with the entire team to define features and deliver to production on schedule. Responsible for frontend, backend code and architectural decisions. Developed an API for 3rd party developers to integrate with our platform. Integrated with third party partners including Twitter and payment gateway.

Senior Software System Engineer, The MITRE Corporation, Bedford, MA

Jan 2007 - Sept 2009

Utilizing: Ruby, Ruby on Rails, iPhone Development, Objective-C, Java, J2EE, Struts, Spring, Apache, Mongrel, Capistrano, AJAX, Javascript, Dojo Toolkit, Scriptaculous, Prototype, HTML, CSS, SQL, and more.

Technical Lead on several active corporate wide and customer oriented web applications, prototypes, and open source initiatives. Actively participate in all aspects of software design and engineering including initial requirements gathering to the delivered product. Design and implement cutting edge web applications to meet customer needs. Developed and implemented overall system architectures, data models, UI design, and functional designs. Lead technical staff and mentor new and junior employees.

Developer, LimeSurvey – THE Online Survey Software

Sept 2007 - Sept 2008

Utilizing: PHP, CakePHP, Apache, SQL, AJAX, Javascript, Dojo Toolkit, Scriptaculous, Prototype, HTML, and CSS

Developer on LimeSurvey (limesurvey.org), an Open Source Project hosted on SourceForge.net. Currently leading development of system redesign for LimeSurvey2.0.

My participation in the LimeSurvey project was part of my employment with The MITRE Corporation.

Software Engineer II, Teradyne Inc, North Reading, MA

Jan 2006 - Jan 2007

Utilized: .NET, ActiveX, ATL, C#, C++, C, COM, Perl, VB, and VBScript

Develop and maintain software for inline circuit testing equipment. Participate in architecting next generation software solutions utilizing the .NET framework. Developing UI and data model components for next generation software using C#. Maintain legacy software. Shipped several successful software patches and Phase 1 of the next generation software.

Developer, The Assistments Project (WPI), Worcester, MA

Aug 2004 - Dec 2005

Utilized: AJAX, Apache Tomcat, CSS, HTML, JAVA, Javascript, JSP, MySQL, Oracle, PL/SQL, and SQL

Maintain and enhance web based Intelligent Tutoring System that supported approximately 200 to 500 students per day for Worcester, MA middle and high schools. Design and implement new Web Applications to further enhance current system using AJAX and JAVA. Participate in system architecture design. Assist in Oracle administration. Managed aspects of the project, including: UI design, database design, runtime, teacher tools, and core data objects. Mentor for new team members. Observed class usage of system to evaluate the success of the UI designs.

Network Administrator, CEO People Helping People, Wilkes-Barre, PA

Sept 2002 - Aug 2004

Utilized: C++, FoxPro, SQL Server

Monitor and troubleshoot the company network. Develop support tools. Develop and maintain websites; both intranet and internet. Troubleshoot PC issues. Maintain documentation. Database Administration.

Tutor, Wilkes University, Wilkes-Barre, PA

Aug 2001 - May 2003

Tutored students in a variety of computer science courses.

IT Services Intern, SalesPlus CorNet, Stroudsburg, PA

2000

Supervised several major projects, including company wide software upgrades for a company of approximately 1200 users. Assembled, monitored, and maintained company's information system equipment. Responded to help requests. Assisted in the exploration of new technologies for company wide use.

Y2K Support Team Intern, SalesPlus CorNet, Stroudsburg, PA

1998-2000

Managed Y2K Team and Interns. Reviewed all client code (C++, C, and VB) for Y2K related bugs. Examined testing documentation, databases, and verification tests for any date miscalculations. Reviewed company owned servers and software for possible Y2K issues. Reported all findings to the appropriate department for correction.

EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Masters of Science in Computer Science, 2005

Wilkes University, Wilkes-Barre, PA
Bachelor of Science in Computer Science, 2002

PUBLICATIONS

Razzaq, Feng, Heffernan, Koedinger, Nuzzo-Jones, Junker, Macasek, Rasmussen, Turner & Walonoski. **Blending Assessment and Instructional Assistance**. In Nadia Nedjah, Luiza deMacedo Mourelle, Mario Neto Buroges, and Nival Nuesde Almeida (Eds). *Intelligent Educational Machines within the Intelligent Systems Engineering Book Series*. pp. 23-49. (<http://www.isebis.eng.uerj.br>). Springer Berlin / Heidelberg.

Turner T.E., Lourenco A.L.N., Heffernan N.T., Macasek M.A., Nuzzo-Jones G. (2006), **The Assistent Builder: An Analysis of ITS Content Creation Lifecycle**, The Florida Artificial Intelligence Research Society, Florida, USA.

Macasek, M (2005). **Towards Teachers Quickly Creating Tutoring Systems**. Master thesis. Worcester Polytechnic Institute.

Razzaq, L., Feng, M., Nuzzo-Jones, G., Heffernan, N.T., Koedinger, K. R., Junker, B., Ritter, S., Knight, A., Aniszczyk, C., Choksey, S., Livak, T., Mercado, E., Turner, T.E., Upalekar, R., Walonoski, J.A., Macasek, M.A., Rasmussen, K.P. (2005) **The Assistent Project: Blending Assessment and Assisting**. *The 12th Annual Conference on Artificial Intelligence in Education 2005*, Amsterdam

Turner, T.E., Macasek, M.A., Nuzzo-Jones, G., Heffernan, N.T., Koedinger, K. (2005). **The Assistent Builder: A Rapid Development Tool for ITS**. Poster in the *12th Annual Conference on Artificial Intelligence in Education 2005*, Amsterdam

Turner, T.E., Macasek, M.A., Nuzzo-Jones, G., Heffernan, N.T., Koedinger, K. (2005). **The Assistent Builder: A Rapid Development Tool for ITS**. Poster in the *12th Annual Conference on Artificial Intelligence in Education 2005 Workshop on Adaptive Systems for Web-Based Education: Tools and Reusability*, Amsterdam

ACHIEVEMENTS

Eagle Scout - 1997