

## Michael “Myk” O’Leary – Web Services Front-End Engineer

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### **Summary**

I have worked on long term projects in the following industries/sectors: Internet presence provision, operating system software, mobile software, mobile PIM (personal information management) software, home networking software, online music concerts, video collaboration, and home energy usage.

My priorities with any project are team, culture, and product over the technologies used to build it. I have been around the block enough to adapt to unknown technologies, but you can't easily retrofit a good cultural fit or a poorly situated product.

### **Specialties**

1. CSS based presentation; JavaScript programming including use of AJAX, DOM, jQuery, and jQuery plugins; Dynamic content presentation via PHP, RoR (Ruby on Rails), JSP/Velocity, and ASP.
2. Localizing applications built in RoR and Java - interfacing with localizers, coding the presentation layer to accept localizations, maintaining localization files, and adapting back end code to support localization.
3. Bridging the communication gap between marketing/SMBs and the technology that enables them.

### **Skills**

Java, Spring, Velocity, Hibernate, Maven, Ant, Apache, Tomcat, MySQL, REST, JSON, Selenium, Perforce, Tortoise SVN, CVS, Git, Visual Source Safe, Bugzilla, JIRA, Black Flag, Team Track, RAID and other bug tracking systems, Eclipse, Visual Studio, Windows, Solaris, Linux, Mac OS X, Bash, Skype, WebEx, IRC, Agile, Scrum, Open Source Software, Open Source Licensing, Social Media, Localization, Advanced CSS, JavaScript, jQuery, PHP, Ruby on Rails, JSP, ASP, HTML/XML, HTML5

### **Experience**

**Software Engineer at Cisco** August 2008 - Present (3 years 1 month)

1. Smart Home Business Unit - Web Services Engineer Jan 2011 – Present (8 months)
  - Front-end Java developer for Smart Energy cloud development. Worked on agile team in 1 week sprints to rapidly develop cloud architecture demonstrating output weekly to interested partners and incorporating feedback.
  - Developed localizable front end architecture that consumed several back end web services to feed data to present the UI.
  - Worked in a weekly pair programming session with a UI/UX designer and a member of QA.
2. Prosumer Video Unit - Web Services Engineer Jan 2010 – Jan 2011 (1 year 1 month)
  - Lead front-end Java developer. 1 year concept to production.
  - Coordinated efforts with offshore development team to ensure code quality. Perform code reviews, team training, and code refactoring to maintain quality standards.
  - Created team documentation covering CSS, Javascript, and HTML best practices.
  - Was web service team scrum master for length of product life-cycle. Integrated with product marketing team and engineering team to facilitate smooth transition through roadblocks.
3. Consumer Business Unit (Linksys) Aug 2008 – Jan 2010 (1 year 6 months)
  - Ported applications and systems developed at Pure Networks over to Websphere and Oracle from Tomcat and MySQL.
  - Supported sales and marketing efforts by providing demos of the previously developed customer support repository (CSR) tool.
  - Created localized front-end for adding music services to a Linksys Whole Home Audio system. This front end called into and abstracted responses from several back end services that were used for

- user authentication and API integration into 3rd party services such as Rhapsody.
- Was responsible for transitioning several legacy services to other members of the team upon move to the Prosumer Video Unit.

**CERT Captain/Instructor at Maple Valley Fire and Life Safety** November 2009 - Present (1 year 10 months)

As a CERT Captain for the Maple Valley Community Emergency Response Team (CERT) I help teach classes in the FEMA CERT program. I am also assigned a team of CERT members who report through me to the fire department in times of emergency. In the process of this role, I have also become CPR and First Aid certified, and have passed the tests to become a licensed Emergency Medical Technician (EMT)

**Senior Developer at Pure Networks** October 2004 - August 2008 (3 years 11 months)

- Developed customer support repository (CSR) which included database sharding to maximize performance and throughput.
- Created front-end system for CSR tool to display data about a user's home network using an XML response from back end web services and DOM manipulation with CSS and Javascript to create a visual map of devices.
- Created the Network Reports (NR) front-end and helped with the back-end web services that facilitated accepting uploads of data from home networks as well as presenting data back to the front-end for display.
- The NR front-end consisted of a thin user portal layer where users could create and modify settings on their account. It also consisted of an HTML styled email that was localized into 33 languages (including two right to left ones) and automatically sent daily.
- Created timezone logic for the email parser that determined when all emails would be sent to the worldwide user base.
- Was responsible for leading three re-designs of the PureNetworks.com and NetworkMagic.com websites.
- Created home hosted web server accompaniment for Network Magic called Net2Go. Net2Go allowed users to have web site access to their Network Magic shared files and folders through a self hosted Apache/PHP system that was setup on their system. Was responsible for all layers of the web application.

**Owner at Blue Needle** October 2002 - July 2008 (5 years 10 months)

- Owned and operated this freelance consultancy providing full service web site design and development.
- Created dynamic web site features for client list using a variety of technologies including ASP, PHP, ASP.Net, MySQL and SQL Server.
- Responsible for sales, marketing, accounting, project management, and development of all projects.

**CSS Consultant at DeepRockDrive** November 2007 - May 2008 (7 months)

I helped DRD develop a CSS strategy that allowed them to easily skin their site and provide templates to sponsors for co-branding opportunities. This included a CSS coding standards document.

**Developer at Viair** September 2000 - October 2002 (2 years 2 months)

- Coded JSP pages using n-tier Java APIs to present corporate messaging data (Exchange/Notes e-mail, calendar, and contacts) to a wide range of devices supporting HTML, WML, HDML, UP.Alerts, and SMTP alerts.
- Coded for regular release cycles as well as for quick turn around QFE releases.
- Participated in review and fine tuning of product specifications, user interface specifications, test plans, and documentation.
- Worked with French localizers using company created tools to produce an internationalized version of the product.
- Participated in creating framework for customers to brand our product using custom build tools and Cascading Style Sheets.
- Participated in administering and interpreting usability studies of the product's user interface.

Viair was later acquired by Visto.

**Solutions Architect at Venturi Technology Partners** November 1997 - September 2000 (2 years 11 months)

- Acted as solutions architect for current and prospective clients. Responsibilities included on site visits to determine competency level of client and suggest courses of action in regards to their networks, servers, and web site/data architecture.
- Acted as technical pre-sales consultant for account managers and branch offices.
- Architected and participated in ASP based coding of C-Spa e-commerce site.
- Acted as Program Manager and technical liaison for Microsoft accounts including such groups as SiteBuilder Network, TechNet, Windows CE, Internet Solutions Network, and Home Advisor. Responsibilities as Program Manager included architecting, spec creation, costing, scheduling, and sourcing of all Microsoft projects.
- Created specifications, project managed, and developed WCE Partner's Extranet, MSWCE Intranet, and several Internet sites for Windows CE using ADO 2.0 and ASP/VBScript being served by IIS 4.0, with back end data residing in SQL 6.5/7.0 databases.

**Network Engineer at Ironlight Digital** May 1996 - November 1997 (1 year 8 month)

- Set up, maintained, and supported 35 node mixed environment TCP/IP LAN comprised of Windows NT/95, Linux, Solaris X86, Mac OS 7.x/8, and HP network printers.
- Set up, maintained, and supported web sites, associated DNS, email accounts and news feed for 150+ clients.
- Set up, maintained, and supported temporary integrated TCP/IP environments for tradeshow and conferences. Responsibilities included cabling, router setup and configuration, provisioning of circuits, and troubleshooting of networks.
- Ironlight Digital acquired Fuse2 where I worked as a web developer on large sites for clients such as Sallie Mae, Sony, and Disney. I used HTML, CSS, and a small sprinkling of PERL to create templates and mass site re-designs.
- Ironlight Digital later underwent a merger to become Novo | Ironlight.

**Web Specialist at Proxicom** August 1995 - May 1996 (10 months)

Performed multimedia conversion of 15,000+ images for clients such as Office Max, 1-800-Music-Now, and Iterated Systems. Coded HTML for sites such as The Nature Conservancy, Volunteers of America, Travelers Property & Casualty, in addition to portal development for AOL and MarketPlace MCI.

**Education**

**The Pennsylvania State University** August 1991 – December 1995

BS & BA, Marketing & Telecommunications

*Activities and Societies: Theta Xi Philanthropy Chairman, University Concert Committee*

**Certifications**

Certified Scrum Master CSM

**Profiles**

<http://www.quora.com/Myk-OLEary>

<http://stackoverflow.com/users/884927/myk-oleary>

<http://www.linkedin.com/in/mykoleary>

<https://github.com/mykoleary>