Richard Bateman – Software Engineer

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Software Development Skills and Technologies:

C/C++	PHP	Python/Django	C#
Javascript/jQuery	AJAX	HTML/CSS	REST/Web Services
Browser plugins	ActiveX	NPAPI	IE Security Model
Silverlight	ASP/ASP.net	MVC	VoIP
Subversion/CVS	Git	Mercurial	Bazaar

Systems Administration Skills and Technologies:

Ubuntu	CentOS	Fedora	openSUSE
openBSD	MS SQL	postgreSQL	MySQL
CouchDB	MongoDB	SQLite	Wireshark
SSH	SSL	Apache	Lighttpd
nginx	iptables	Bash scripts	Solr/Lucene

Qualifications:
- Good communication, project management, and time management skills
- Experienced at telecommuting and customer interfacing
- Proven ability to quickly learn and excel at new technologies
- Author and project manager of the open source FireBreath browser plugin framework
- Extensive experience in all aspects of web development, from browser plugins to AJAX
- Primary contributor of the technology blog http://www.colonelpanic.net
- Experienced in understanding and integrating hardware and software of diverse types
- Experienced in VoIP solutions with asterisk and freeswitch
- Fluent in Russian

Software Development projects:
- http://firebreath.googlecode.com – Open source (BSD licensed) browser plugin framework (*C++, NPAPI, ActiveX, Javascript, python*)
- http://github.com/taxilian/VimDebugger – Open source Vim DBGp client for PHP5
- http://kd7bbc.org/exam-tools – Amateur Radio examination tool software (*PHP5, jQuery, AJAX, CouchDB*)
- http://hamstudy.org – Community powered amateur radio study software, under development (*PHP5, jQuery, AJAX, CouchDB, xml/rss*)
- http://sp50.kd7bbc.org – Race control system, used for tracking runner positions and times for ultramarathons (*Python, jQuery, mysql, sqlite*)
- Added support for the Bazaar VCS in Arbit, an open source project management system (*PHP, xml, bzr*)

More about Me:
Linked-in profile: http://www.linkedin.com/in/richardbateman
Facebook page: http://www.facebook.com/taxilian
Twitter username: nailixat

Richard Bateman – Work History

Chronological work history

Feb 2010 – Jul 2010: **nuMetra, Inc** – at nuMetra I expanded my knowledge of content encoding and online video with HTML5, Silverlight, and Apple Adaptive streaming. *(Python, ffmpeg, Microsoft Silverlight, Apple Adaptive Streaming, iPhone app development, bash shell scripting, git)*

Apr 2008 – Jan 2010: **Move Networks** – at Move Networks I was hired to work on the JavaScript SDK, but after some personelle changes I became the principal developer and maintainer of the Browser Plugin framework used in the Move Media Player. In addition to updating the plugin to use NPRuntime instead of the deprecated XPCOM interface, I successfully ported the media player to linux, which required porting an OpenGL renderer and writing a new ALSA audio renderer. I also created the installer used to install the plugin so that it would work on all Windows browsers, and wrote a Silverlight SDK for the plugin. *(C++, Javascript, C#, Silverlight, Accurev, bzr)*

Nov 2005 – Nov 2007: **The Church of Jesus Christ of Latter-day Saints** – as a conversational English teacher and a proselytizing missionary for the LDS church I learned a lot about interfacing with people, teaching unfamiliar ideas, and learned to fluently read, write, and speak the Russian language. (*Russian, interpersonal and teaching skills*)

2003 – 2005: **Sparky Industries** – as a contractor for Sparky Industries, I developed an in-car video camera system that was in use by the police forces in two Utah cities. Eventually the project was abandoned because we couldn't find cost-effective hardware as the hardware we were using became hard to find. *(C#.net, .Net Windows Forms, USB GP/IO control, digital circuit design)*

2005: **Apex Alarms** – as an initially short-term contractor for Apex Alarms, I maintained and updated a CRM system used for tracking customer and account information. I played a key role in many bug-fixes and system updates, and I helped develop a system plan for a major round of enhancements, as well as updating and improving the security of the system. I took this job on a temporary basis with a set termination date, but when my superior quit a month before the end of my contract I managed to keep the system running, make some major enhancements, and find and train a replacement. *(C#.Net, .Net Windows Forms, MSSQL, Subversion, Visual Sourcesafe, Microsoft Exchange Server, IIS, Microsoft Windows workstation and server, svn)*

2003 – 2005: **Solomon Technology Solutions** – at S.T.S. I designed and built the computer-controlled communications system currently in use by the Air Force Thunderbirds ground crew in their communications trailer. *(C#, mysql, advanced networking, and hardware control)*

2002 – 2003: **Elixir Labs** – at Elixir Labs I assisted in updating their PHP system to better take advantage of current technologies. I was instrumental in reducing the average development time of new templates from 8-12 hours down to 2-4 hours. *(PHP, mysql, postgresql, cvs)*

1999 – 2001: **Alpine Networking Solutions** – at A.N.S. I cut my teeth on professional software development. In a time before PHP frameworks were common, I wrote likely one of the first PHP frameworks utilizing many of the same techniques that are common now. It was later expanded and released as the Zoop framework and is still in use (with much of my original code) by several companies. *(PHP, HTML/CSS/JavaScript, mysql, postgresql, Visual Basic, Microsoft SQL Server)*

References Available upon request