Mark Monteiro

Address: 51 Wyndham Street North, Guelph, ON
Cell: (226)-349-3224
Email: mark.monteiro23@gmail.com
Website: markmonteiro.info

SKILLS SUMMARY

- Education and work experience in several programming languages including Ruby, C#, C++, C, Java, PHP, SQL, Python and Bash Scripting in both Windows and Unix environments
- Skilled in the specification, design and implementation of numerous web applications utilizing technologies such as Ruby On Rails, Angular, Angular Material, ASP.Net MVC, ASP.Net Webpages, Bootstrap, SASS, LESS, Coffeescript, Bower, Node, Gulp, JQuery, Spring, Laravel, Drupal, Wordpress, Jekyll, JSON and SOAP
- Proficient with source control software such as Git, Mercurial, GitHub, BitBucket, Kiln and Hg Workbench
- Experience using project management software such as JIRA, Pivotal Tracker and FogBugz in both management and developer roles
- Application development experience for Windows using WPF, WCF and Windows Services
- Server management, hosting and CI experience using technologies such as AWS, SSH, Amazon AWS, DigitalOcean, DNS Records, GitHub Pages and Travis CI
- Proficiency in developing applications with a test-driven approach, utilizing unit-test frameworks such as Rspec and MSTest
- Experience working in an agile software development cycle including design, review, implementation, testing and verification

EDUCATION

Bachelor of Computer Science Degree, University of Waterloo, Sept/2009 – August/2015

- Experience and knowledge in various computer programming paradigms using various programming techniques and languages including Scheme, C, C++, Java, Python and bash scripting
- Advanced understanding of computer hardware, architecture and software

Relevant Courses: Distributed Systems, Concurrent and Parallel Programming, Artificial Intelligence, Database Management, Data Structures and Data Management, Operating Systems, Object-Oriented Software Development

WORK EXPERIENCE

Software Developer, Sandbox Software Solutions, September/2015 – Current

- Initially hired as a junior web developer, working on a variety of client websites using numerous technology stacks including ASP.Net Webpges, ASP.Net MVC, Laraval 5, Durpal, Wordpress. This work involved communicating with clients to determine requirements followed by website

development according to design specifications (usually provided as PDF). All sites were developed using responsive design (mobile) and strictly audited to meet all specifications for W3C validation and AODA-WCAG (accessibility) guidelines.

- Current position is the lead developer on a large software project working with a technology stack utilizing Angular.js, Angular Material, Gulp, Java, Spring and MySQL. Responsibilities include system architecture design, server deployment, system development and shared responsibilities for project management.
- Developed a software solution with a web administration component and a Windows application client. The client application was built using WPF, WCF and Windows Services. The client provided offline support, requiring the development of a data synchronization system capable of supporting many clients and a central server.
- Support and maintenance on dozens of projects, generally working on several projects concurrently.

Notable Projects (Publicly Available)
- Toronto Community Housing Annual Report: annualreport.torontohousing.ca
- Sandbox Software: sandboxsoftware.ca, sandboxsoftware.ca/our-work
- WHAI (Women & HIV/AIDS Initiative): whai.ca
- CanVECTOR: canvector.ca
- EBS Geostructural: ebsgeo.com
- Waterloo Public Library: wpl.ca

SketchUp Plugin Developer, Renoworks, July/2015

- Contract job to develop a proof-of-concept exporter for SketchUp. The exporter rendered a view of the current 3D model in a 2D format (SVG) that could be used in the Renoworks renderer
- Plugin was developed in Ruby and C++ using the SketchUp API
- Development involved the use of the C++ Clipper library for performing binary operations on sets of polygons

Full-Stack Engineer, Grand Rounds Inc., Sept/2014 – Dec/2014

- Worked on the main company website and several internal tools, with both front-end and back-end development
- Technology stack included Ruby On Rails, Slim, Sass, Coffeescript, Bootstrap and RSpec
- Experience working under the agile methodology, using test-driven development

Web Developer, Innovaction, Feb/2014 – April/2014

- Worked with a small university-based start-up company on various projects
- Developed several websites to promote company products
- Created a web server which interacted with the Foursquare API to track check-ins at client venues

Web Developer, Phoenix Interactive Inc., May/2013 - August/2013

- Oversaw the design and development of a new 'proof-of-concept' developer portal
- Worked on the project from start to finish. This included the creation of potential use cases for the site, low-level design, implementation, documentation, and a final presentation of the completed work to company executives

Software Engineer, TangramCare, January/2013 – March/2013

- Worked with a small start-up team to design and develop a new home healthcare application
- Contributed to the development of the Android mobile application , web server and database
- Technologies used included Python, Java, Tornado Web Server, HTML5 and MongoDB

Software Developer, Phoenix Interactive Inc., May/2012 - August/2012

- Designed, coded, reviewed, tested and validated software as part of an agile development team
- Participated in estimation and planning

Software Support Specialist, Research In Motion Ltd., September/2011 - December/2011

- Provided software support for several developer tools including JIRA, Rally, Perforce and Quality Center (managing user permissions, answering questions, performing administrative tasks etc.)
- Created two web applications for the support team during spare time