

# Andrew Sullivan Cant

Kitchener, Ontario

[mail@andrewsullivancant.ca](mailto:mail@andrewsullivancant.ca)

<http://andrewsullivancant.ca>

## ***Profile***

- 12 years experience designing and implementing software solutions
- Over 4 years experience in billing and network traffic management
- Experience in project management and customer relations
- Supervised software development teams
- Coordinated software development across teams
- Assessed, integrated, and built upon open source software to meet business needs
- Participated in Agile and Scrum development in various industries
- Conscientious and dedicated to quality

## ***Technical Skills Summary***

- Experienced in various languages, including Ruby, Perl, PHP, C/C++, Java, C#, and Bash
- Proficient in Windows and Unix/Linux (Debian, RedHat, MacOSX, Solaris) environments
- Proficient with project management software (such as, make, rake, capistrano, ant, git, Maven) and unit testing frameworks within Java, C# and Ruby
- Experienced in Linux configuration, general and network-related
- Proficient in software engineering techniques (such as, design patterns, refactoring, Agile and Scrum)
- Produced quality documentation using various desktop publishing packages and mark-up languages (HTML, LaTeX, XML, MSWord, OpenOffice)
- Designed and produced websites using JavaScript, jQuery, Ruby On Rails, Drupal, PHP, MonoRail, C#, Apache web server and W3C XML-based standards
- Created and maintained complex relational databases using MySQL, PostgreSQL, MSSQL, and Oracle
- Created and maintained internal wikis using Dokuwiki and Mediawiki
- Configured and administered a Nagios-based network monitoring and reporting system
- Created a web-based mapping application based upon OpenStreetMap data, OpenLayers, Mapnik and PostGIS
- Created a web-based medical image management application based upon Ruby on Rails and JRuby, which communicated with a Java-based backend
- Experienced in database configuration and SOAP integration with Microsoft Dynamics CRM
- Experienced in SQL level integration with Microsoft Dynamics GP

## **Work Experience**

### **Product Developer, [Karos Health Limited](#) (2011 - 2012)**

- Designed, built, and successfully deployed a web-based user interface to transport and manage medical images, such as x-rays
- Used Ruby on Rails, JRuby, JQuery, and RSpec to build the web-based user interface
- Tested, maintained, and enhanced the Java-based backend of the web-based user interface
- Implemented and tested medical protocols and profiles related to the Integrating the Healthcare Enterprise (IHE) IT Infrastructure (ITI), such as DICOM, HL7, XDS, and PIX/PDQ
- Installed software remotely on customers' servers and ensured its success
- Mentored and trained employees and co-op students in software development, design, testing, deployment, and QA
- Co-created SimSite, an internal application that developers use to generate test data for HL7 and XDS protocols
- Participated in the Scrum planning process
- Used Agile programming methodologies, including Test Driven Development, Pair Programming, and Continuous Integration
- Used git, Eclipse, Maven, Jira, and Hudson/Jenkins software development tools
- Built and deployed software using Red Hat Enterprise Linux (RHEL) and CentOS systems
- Evaluated and integrated existing open source projects into the company's software products

### **Software Developer/Scrum Master, [Demeure](#) (2010 - 2011)**

- Designed, built and maintained a vacation property rental management system
- Helped to evaluate the requirements for the system based upon existing and planned operations
- Used Ruby On Rails to build the public web presence, member portal, and backend supporting software
- Used the Amazon Elastic Computing environment for server and database hosting
- Integrated and configured SalesForces to work with the frontend web systems
- Participated in Scrum development process as both developer and Scrum Master
- Interviewed, supported, coached, and evaluated newly hired developers

### **Software Developer, [Everus Communications Inc.](#) (2008 - 2010)**

- Used an Agile development process to discover requirements and deliver software to match those requirements
  - Gathered requirements
  - Designed and developed software in short iterations
  - Incorporated user feedback
- Surveyed and selected software to integrate with existing systems independently

- Facilitated monthly meetings to introduce new software features and gather feedback
- Increased developer productivity by creating an internal wiki that centralized documentation
- Increased staff productivity and improved data quality using an interface design that reduced duplicate entry and increased visible customer information
- Reduced response time for the resolution of network issues by performing the following:
  - Improved network monitoring systems
  - Enabled visualization of the geographic location and status of network infrastructure

### **Developer/Customer Integrations Project Manager, [LogiSense Corporation](#) (2004 - 2008)**

- Maintained and added features for a Linux-based traffic management system for IP networks
- Maintained and added features for a cross-platform (Linux,Windows) high-performance web-cache
- Maintained and added features for a telecom billing system
- Designed two systems for provisioning third-party hardware and software
- Integrated billing systems with third-party systems
- Created integration and unit tests for traffic management and billing systems
- Managed a team of two developers
- Liaised with clients in problem-solving their special needs

### **Database Developer, [Princess Margaret Hospital](#) (2001 - 2002)**

- Designed, implemented and maintained a database using Oracle and Perl
- Created Perl scripts that generated quarterly reports and transmitted them via FTP
- Produced a web-based interface for data-entry, using PHP
- Gathering and analyzed requirements data in a team-setting

## ***Education***

Bachelor of Mathematics, Co-operative Honours Computer Science, Software Engineering Option, [University of Waterloo](#), Waterloo, Ontario, 2003

## ***Interests***

- Baking and cooking simple, delicious vegetarian meals
- Advocating Open Source Software projects

## ***Membership***

- [Kitchener-Waterloo Linux User's Group](#)

## ***References available upon request***