

# Jacob Friesen

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## PROFILE

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- One year of on the job Web Development experience complemented with over six years of developing websites in my spare time.
- Bachelor of Computer Science (Honours).
- Deep understanding of JavaScript with experience in client side, server side and phone environments.

## TECHNICAL SKILLS

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### **Programming** – Languages – <Libraries> – [Frameworks] – *Other*

- Several Years With: JavaScript (pure, <Ext JS>, <jQuery>, <underscore>, [Titanium], Jasmine, Mocha), HTML/CSS, Java
- Work Experience: Python, [Django], Ruby, [Ruby on Rails], JSP, [JSF], XML, JSON, [AJAX], SQL, HAML, SCSS, *Object Oriented Programming*, *TDD*
- General Experience: Node.js, [Express.js], *Selenium*, C/C++, C#, Jade, Objective C, PHP, ZPL, Assembly

### **Back End** – Servers – <Databases> – [Version Control]

- Several Years With: Apache HTTP Server
- Work Experience: <PostgreSQL>, <MySQL>, Apache Tomcat Container, [Git], [CVS]
- General Experience: <IBM DB2>, WEBrick

### **Environment** – Operating Systems – <Editors/IDEs> – [Phones]

- Several Years With: Linux, Windows
- Work Experience: Mac OS X
- General Experience: [iPhone], [Android], Amazon EC2, <VIM>

## WORK EXPERIENCE

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### **2012 May – August Co-op Term 3**

**Web Developer**, [CanadaDrugs.com](http://CanadaDrugs.com)

Improved Panda, the internal web application. Panda manages the business from all of the pharmacy sites. Worked in an Agile Environment.

- Using HAML (HTML templating), JavaScript (lots of jQuery and AJAX), and SCSS, designed and updated many front end interfaces.
- Implemented and tested server code using RSpec in Ruby on Rails which connected to a MySQL database.
- Improved small HR application which had a Twitter Bootstrap interface and a Ruby on Rails back end.

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**Technologies:** Ruby, Ruby on Rails, JavaScript (pure, jQuery), JSON, AJAX, SQL, HTML/CSS, HAML, SCSS, MySQL, Git, WEBrick, Mac OS X, Linux, VIM

**2011 August – December Co-op Term 2****Web Developer, [Iders](#)**

Defined the Inventory Location Management (ILM) system architecture and user experience of the Iders Information Management (IMS) website.

- Designed the front end (client side) with JavaScript (Ext JS library) and HTML/CSS.
- Implemented the back end server code using Django with a PostgreSQL database. Coded multiple types of devices including an Android phone and Zebra printer to provide and extract data from the ILM system.
- Improved efficiency of page loading and GUI function in addition to adding some extra features to the core IMS website.

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**Technologies:** Python, Django, JavaScript (pure, Ext JS, [Titanium]), HTML/CSS, XML, JSON, AJAX, ZPL, SQL, PostgreSQL, CVS, Android, Linux

**2011 January – April Co-op Term 1****Web Developer, [AAFC](#)**

Redesigned and managed the back end of all the Rural Water Resources Planner website's tools using JSF, a Java based framework.

- Redesigned and managed the front end (client side) of the website using a mix of JSF, HTML/CSS, and JavaScript. Client side development mainly involved designing graphical user interfaces for the website's tools.
- Participated in defining user experience, page designs, software architecture and other web application essentials for the whole website.

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**Technologies:** Java, JSF, JavaScript, HTML/CSS, XML, Apache HTTP Server, Apache Tomcat Container, Windows

**2010 May – August****Crew Member, Wendy's****2009 June – August****Landscaper, Little Buds Tree Farm**

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**EDUCATION****2008 September – 2013 April****University of Manitoba, MB**

- B.C.Sc. Honours Degree – Co-operative Option.
- Major concentration in Software Engineering.

**2004 September – 2008 June****Westwood Collegiate, MB**

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**VOLUNTEER EXPERIENCE****2009 Winter Donation Assistant, Five Days for the Homeless****University of Manitoba, MB**

- Operated a donation booth with another person to convince people to donate.
- Assisted in handing out flyers to university students passing by.

**2007 – 2008 Council Member, Student Council****Westwood Collegiate, MB**

- Introduced original ideas for events as well as evaluated and discussed other ideas for events.
- Assisted in the organization and planning of events in the year.
- Also helped on the day of the events with event details.

**INTERESTS**

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In my spare time I work on web projects, applying new technologies and ways of coding to help solve the problems I encounter. Currently, I am in the Winnipeg.js group.

**REFERENCES**

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References available on request.