

Maxime Dupuis



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Summary

- About 10 years of web development and 7 years of development for various platforms (Visit <http://autre-chose.org/>)
- Bilingual: English (4.5/5), French (5/5)
- Interested in web, mobile and embedded development, real-time web services, open source software, teamwork, semantics

Education

Bachelor of Science, Computer Science Université de Sherbrooke	2006-2010
Computer science degree Cégep de Drummondville	2003-2006
International high school degree Écoles secondaires Jeanne-Mance et Marie-Rivier, Drummondville	1998-2003

Certifications

Zend's ZCE PHP4	http://zend.com/zce.php?c=ZENDP001048&r=50321045
Brainbench's PHP4	http://www.brainbench.com

Projects & contributions

PHP Québec (2003-2006)

- Creator of the Drummondville PHP Québec group, organizer and speaker
- Volunteer for the 2005 and 2006 PHP Québec Conference See <http://phpquebec.org/> and <http://conf.phpquebec.org/>

Alternative OS meetups (2007)

- Organizer of monthly meetups for all kind of people
- Open source software and Windows alternatives instigator

Knowledge

Languages :	Python, PHP, HTML, XHTML, CSS, JavaScript, SQL, C, VB.NET, Java, C++, VB6, ASP, C#
Development tools:	Vim, Mercurial, Git, SVN, FogBugz, Eclipse, CVS, MS Project, Visual Studio .NET 2003/2005, MS Access
Standards and techniques:	SCRUM, Agile, W3C, Programmation Orientée Objet (OO), Unified Modeling Language (UML) avec méthode « Two Track Unified Process » (2TUP), Unit Testing
Other:	Linux, Windows, Apache, nginx, PostgreSQL, MySQL, SQL Server, Active Directory

Professional experiences

Free software consultant

June 2015 to today

Savoir-faire Linux, Montréal, QC

Full stack developer / devops

Service company offering all open source solutions

- Give multi-day *Linux, Python* and *PostgreSQL* training
- Develop and maintain old software on new architectures
- Improve development process and project management

Environment: Linux, Ansible, Vagrant, Git, Jenkins, GitLab

Techologies: Python, Plone, ArchLinux, Ubuntu, RHEL, PostgreSQL, Apache, nginx

Solution developer

June 2015 to today

Mandeville, QC

Self-employed

Professional and personal skill improvement.

- Continue to build and develop personal projects
- Research and develop new tools
- Learn new languages, paradigms and techniques

Environment: Linux, Vim, Mercurial, Git, GitHub, Ansible, Raspberry Pi

Techologies: Python, Django, Numpy, Pandas, PostgreSQL, GDAL, nginx

Technical lead developer and Team lead

July 2014 to June 2015

Ecometrica, Edinburgh, Scotland

Product and project manager

Small company developing tools to analyze the environmental impacts of human activities.

- Hire and train a software team and an IT team
- Deal with everything IT company-wide (Canada and Scotland)
- Build data and administration tools for our products
- Work with limited fairly limited resources

Environment: Linux, Vim, Mercurial, Kiln, Ansible, FogBugz, GitHub, Git

Technologies: Python, Django, Numpy, Pandas, PostgreSQL, Leaflet, GDAL, nginx

Lead developer

August 2010 to July 2014

Ecometrica, Montréal, QC

Full time developer

Small company developing tools to analyze the environmental impacts of human activities.

- Design and develop a web platform for visualizing geospatial data
- Design and develop a calculations engine for global geospatial data
- Administer the application servers and make sure they run properly
- Work in a team divided between Scotland and Quebec
- Work with limited resources.

Environment: Linux, Vim, Mercurial, Kiln, Ansible, FogBugz, AWS, GitHub, Git

Technologies: Python, Django, Numpy, Pandas, PostgreSQL, Leaflet, GDAL, nginx, OpenLayers, Mapnik, MapServer

Web Programmer

February to May 2010

ReptileTech, Brossard, QC

Part time job

Web agency that offers multiple services.

- Develop on top of Django CMS a website which attracts a lot of visitors
- Develop administration tools to import data from the older website
- Work exclusively remotely with a small group of people

Environment: Linux, VIM, Mercurial

Technologies: Python, Django, Django CMS, MySQL

Data Mining Programmer

May to August 2009

IBM Canada Ltd, Bromont, QC

Paid internship

Multinational computer, technology and IT consulting corporation. Its Bromont (Québec) factory makes microprocessors and other microchips.

- Design and develop an application that creates operating reports based on real-time production data
- Develop a statistical model to optimize production costs
- Use statistical models to find the origins of problems on the assembly lines

Environment: Linux, VIM, Mercurial, Lotus Notes, Windows

Technologies: Python, SQLAlchemy, IBM DB2

Web Programmer

January to May and August to December 2008

Akoha Inc., Montréal, QC

Paid internship

Start-up developing a massively multi-player game bridging the online world to real life. Akoha has been selected for TechCrunch50 2008.

- Analyse, design and develop new features
- Work in small groups of people
- Adapts quickly to changes - one or two weeks iterations

Environment: Linux, VIM, Mercurial, FogBugz, Lighttpd

Technologies: Python, Django, JavaScript, jQuery, PHP