

Nicolas Marchildon

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Summary

- Java Developer with 8 years of experience
- GNU/Linux Administrator (Debian, Ubuntu)
- Experience in e-commerce, inventory management, user interfaces, project management

Languages

French: native tongue
English: very good, 6 years of professional experience
Spanish: beginner, one course at UQÀM (2006) for travelling to Spain

Professional Experience

jan. 2007 – **Senior Java Programmer - *Sherpa Event Solutions***
dec. 2007

- I was leading development of the presence management part of the business: determining business needs, converting them into tasks and assigning them to a team of three developers.
- I introduced Agile methodologies in the team: unit tests and Scrum project management.
- I designed and pushed to production a data synchronization system between a server and Linux embedded devices. These included RFID readers to track freely-moving individuals (Java, XML, Spring, JDBC).
- I built executive and financial reports with the help of the BIRT reporting engine.

Technologies used: Java, J2EE, Spring, Tomcat, Eclipse, BIRT, PostgreSQL, Junit, Ant, Domify, XML, HTML, Subversion, Trac.

apr. 2004 – **Electronic commerce consultant - *Compuware Corporation of Canada (for Morgan Stanley, New York)***
jan. 2007

- I designed administrative tools, implemented and documented them. I was the team leader in a team of three developers, and collaborated with the Project Manager.
- I designed a web form on spreadsheet principles (formulas for values) in JavaScript.
- I greatly improved the performance of a private web portal based on Vignette Application Portal, using Java, XSLT, and AJAX.
- I fixed bugs found by our quality assurance team (Mercury Test Director).

Technologies utilisées: Java, J2EE, Struts, XML, DOM, XSLT, XSL-FO, Tomcat, ServletExec, Vignette Application Portal, Eclipse, Sybase, JUnit, Ant, JavaScript, HTML, Trimpath Spreadsheet, Perforce, MS Project, TWiki.

mar. 2001 – **Java Analyst-Programmer - *ICE.com***
feb. 2004

- I have been put in charge of ensuring good performance of a high-traffic e-commerce website after a problematic Christmas period. I greatly improved stability and

performance, and have put in place monitoring and alerting systems (Java, Ganglia, Nagios).

- I managed deployment of the application over a cluster of 20 servers.
- Under the supervision of the CEO, I designed, implemented and pushed to production an inventory system (Java).
- I designed a pluggable product and order synchronization system for automating interaction with a dozen of partner companies, including Amazon (Java, XML).

Technologies used: Java, J2EE, XML, XSLT, SAX, DOM, Tomcat, MySQL, JUnit, Ant, Servlets, JSP, HTML, PGP, FTP, Jmeter, Nagios, Ganglia, Shell Scripts, CVS, MoinMoin Wiki.

may 2000 – **Web Developer - K-OS Multimédia**
mar. 2001

- I co-authored a report for a study comparing performance of ColdFusion, Java, PHP and Perl, made recommendations for the technology to be used in future projects, and designed a Java framework for web applications.
- For a pocket PC, I did the integration of an e-commerce web site (JSP, Weblogic).
- I built the Radio-Canada International web site; I implemented a schedule management module, a survey module, and a translation tool (ASP/VBScript).
- I was administrator of CVS and a Linux server, and trained other developers.

Technologies utilisées : ColdFusion, ASP/VBScript, PHP, Perl, Weblogic, Java, JSP, PL/SQL, Linux, CVS.

may 1999 – **Analyst-programmer - Central Multimédia**
aug. 1999

- I designed a customizable survey system, and provided visual reports (ASP/VBScript).
- I managed and did technical support for web servers (NT4 & IIS4), DNS and e-mail servers.

Education

Electrical Engineering École Polytechnique de Montréal	21 credits, 1999-2000
Diploma of Collegial Studies Collège Édouard-Montpetit, Longueuil	1998

Other Activities

- For a student group, I designed and implemented a photographic black room reservation system, as well as a photo archive system.
- I gave a conference on the Zope content management system, on PGP crypted communications, and gave a course on how the internet works to a group of friends.
- I designed a robot and participated to the Expo-Sciences Bell in 1995, and represented my region at the provincial instance.

Other Interests

Reading: urbanism, economy, marketing, technology, entrepreneurship.

Leisure: biking, photography.

References available upon request.