Marcel Valdez Orozco   Software Engineer

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Education

Graduate Studies: 96 out of 100 Current GPA. Aug. 2011 – Dec. 2013 (expected) M.Sc. in Software and Information Technology (MST) at ITESM – Campus Monterrey. Currently a graduate candidate.

Undergraduate Studies: 90 out of 100 Final GPA. Sep. 2004 – Dec. 2008. I graduated with a bachelor's degree in Computer Science Engineering (ICC) from "CETYS Universidad" Campus Mexicali.

Languages

Spanish: It is my primary language. I have excellent above average reading and writing skills.
English: Scored 613 points in the TOEFL exam. I have 100% English writing skills and about 90–95% spoken.
French: I am 60% fluent at speaking, and 50% skilled at writing it. Studied it for 3 semesters in 2004–2005.

Work Experience

Phoenix Analysts® – R&D Software Developer (Feb 2010 – Jul 2011): Developed backend data analysis applications that intercommunicate several servers and SQL databases, and a front-end for those applications. I designed and implemented a web application that consolidates data from 95 different servers in a Nation Wide Intranet, into a single executive level report in an AJAX-enabled tree-like viewable structure with multiple level grids. *C#, .Net, MS-SQL, ASP.Net, MSBuild, MSTest*

Gameloft – World Online Team (Sep 2009 – Dec 2009): I enhanced and maintained servers, databases and online client functionality for internet-enabled mobile applications. *Linux, Apache, MySQL, PHP, SVN*

Gameloft – Programmer (Sep 2008 – Aug 2009): Application development for mobile devices, including two online multiplayer games that use HTTP and TCP/IP in mobile and static networks. *Java, JavaME, C++, PHP, DOS Batch Builds, SVN*

Major Projects

Jedi Factory (Sept 2012 – Present): This project helps the user learn CS fundamentals by asking of him to code methods that must pass tests specifying the behavior of algorithms and data structures. *Ruby, Continuous Integration, TDD, Computer Science*

Scrum Handler (Feb 2012 – May 2012): A prototype for managing a project using the Scrum Methodology. *C#, ASP.Net, DevExpress, NUnit, Scrum*

Master's Degree Thesis (Jan 2012 – Present): My master's degree thesis is on automated object-oriented design quality assessment by means of code analysis. I developed a tool that extracts object-oriented design facts from a program's code, and uses them to create a meta-model, which it then evaluates, using problem-specific user-defined weighed-rules. *C#, .Net, IronRuby, NUnit, TDD, Continuous Integration*

Testing Tools (Jan 2012 – Present): An API library that wraps NUnit assertions in order to provide an expressive API for writing unit-tests. *C#, .Net, NUnit, TDD*

Dynamic Proxy (aka AutoProxy, Dec 2011 - Present): It is an automatic proxy creator, meant to wrap objects in order to make them testable, mockable, or substitutable by wrapping them with an interface. *C#, .Net, NUnit, Reflection, Design Patterns*

Component Oriented Project (Sept 2011 – Dec 2011): It is a prototype for component-oriented programming in .Net: A web turn-based card game. I used my Dependency Locator to isolate & compose the components. *C#, .Net, Modularity, Design Patterns*

Dependency Locator (Mar 2010 – Present): An implementation of the Service Locator pattern, it provides an easy to use C# API for setting up dependencies; it's non-intrusive and eases modular development. *C#, .Net, NUnit, Design Patterns*

Technical Skills[1] 3 - **Ninja** (beyond professional) 2 - **Good** (professional level) 1 - **Average** (simple solutions)

Languages		Frameworks	Databases	Trends & Practices	Misc
• C#: 3	• PHP: 1	• ASP.Net: 2	• MS-SQL: 2	• Net Programming: 2	• AJAX: 2
• Java: 2	• C++: 1	• .Net: 2	• MySQL: 2	• Automated Testing: 2	• Git: 2
• JavaScript: 2	• VB.Net: 1	• jQuery: 1		• Design Patterns: 2	• SVN: 2
• SQL: 2		• Java EE 6: 1		• Continuous Integration: 1	
• HTML: 2		• Rails: 1		• Virtualization: 1.0	
• Ruby: 1.5					
• C: 1					

Membership, Awards and Leadership

- Member of the Association for Computer Machinery (ACM) (Since Oct. 2011)
- PSP® Certified Developer, by the Software Engineering Institute (Since Oct. 2011)
- IBM® DB2 Academic Associate: DB2 Database and Application Fundamentals (Since Nov. 2012)

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[1]Technology with which I've only played with (very simple usage) is not listed here.