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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.

Work Experience

Appian – Software Engineer (June 2013 – Present):

- Manage availability, latency, scalability and efficiency of Appian by engineering reliability into software systems.
- Participate in software performance analysis and system tuning.
- Participate in design, architecture, standards and methods for engineering services and systems.
- Respond to and resolve emergent problems; write software and build automation to prevent problem recurrence.

Phoenix Analysts® – Software Developer (Feb 2010 – Jul 2011): Developed backend data analysis software that inter-communicate servers and databases, and a front-end for those applications. Key participant in the design and sole implementor of a web application that consolidates data from 95 different servers in a Nation Wide Intranet, into a single AJAX-enabled executive level drillable report. *C#, .Net, MS-SQL, ASP.Net, MSBuild*

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*

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, those successes lead to the Gameloft Studio I worked at to receive a wider range of projects and more networked game projects. *Java, JavaME, 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*

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*

Master's Degree Thesis (Jan 2012 – Present): Automated object-oriented design quality assessment by means of code analysis. I developed a tool that extracts object-oriented design facts from a program, and uses them to create a meta-model, which is then evaluated using user-defined 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*

Technical Skills¹ 3 - Ninja (beyond professional) 2 - Good (professional level) 1 - Average (simple solutions)

Languages	Frameworks	Databases	Trends & Practices	Misc
<ul style="list-style-type: none"> • C#: 3 • Java: 2 • JavaScript: 2 • SQL: 2 • HTML: 2 • Ruby: 1.5 • C: 1 	<ul style="list-style-type: none"> • ASP.Net: 2 • .Net: 2 • jQuery: 1 • Java EE 6: 1 • Rails: 1 	<ul style="list-style-type: none"> • MS-SQL: 2 • MySQL: 2 	<ul style="list-style-type: none"> • Net Programming: 2 • Automated Testing: 2 • Design Patterns: 2 • TDD: 2 • Virtualization: 1.0 • Continuous Integration: 1 	<ul style="list-style-type: none"> • AJAX: 2 • Git: 2 • SVN: 2

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.

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)

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