

# Pedro Lopez

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<b>Objective</b>	Software Development Engineer interested in web and large scale systems
<b>Experience</b>	<p><b>Infosys Ltd</b>, Monterrey, Nuevo León, Mexico</p> <p>Systems Engineer, January 2013 to February 2015. Contractor for an American multinational banking and financial services corporation. Development, administration and support team for a global trade finance application used mainly in North America and Asia</p> <ul style="list-style-type: none"><li>• Coded and tested new agents/batch-jobs or new features of existing jobs in Java, C#, JavaScript and Windows Batch</li><li>• Designed and implemented a Windows Script Host script in JavaScript to retrieve scanned image and metadata files from the scanner workstations to our server and prepare for further processing</li><li>• Fixed approximately 350 incidents, including code bugs, development of new features, customers with invalid data in production and outages</li><li>• On-call main contact for approximately 20 weeks</li><li>• Led approximately 30 Request For Change procedures, mainly to install code updates as well as to update data via SQL scripts</li><li>• Supported production and test environments for clients and other teams in the bank</li><li>• Knowledge management via documentation of known issues and fixes, to coach offshore resources</li></ul> <p><b>Center for the Development of the Software Industry</b>, Monterrey, Nuevo León, Mexico.</p> <p>Software Engineer, October 2012 to January 2013</p> <ul style="list-style-type: none"><li>• Performed testing and quality assurance of an enterprise financial web platform for a Mexican bank, implemented in Java Enterprise Edition and JavaScript</li></ul> <p><b>School of Physics and Mathematics at UANL</b>, Monterrey, Nuevo León, Mexico</p> <p>Research Assistant (internship), August 2011 to February 2012</p> <ul style="list-style-type: none"><li>• Developed and maintained robust control systems software in MATLAB and Simulink</li><li>• Co-authored 1 published paper: Basin, M.; Serna, M.; Lopez-Hernandez, P.I., <i>Central energy-to-peak filter design for uncertain linear systems</i>, Control Conference (ASCC), June 2013</li></ul> <p><b>School of Mechanical and Electrical Engineering at UANL</b>, Monterrey, Nuevo León, Mexico</p> <p>Laboratory Assistant (internship), February 2012 to August 2012</p> <ul style="list-style-type: none"><li>• Python, MATLAB and LabVIEW support to university students</li><li>• Computer and electronic technical support to teachers and students</li></ul>
<b>Computer Skills</b>	<p><b>Languages:</b> C#, Java, Python 2 &amp; 3, JavaScript, HTML, CSS, Bash/UNIX Shell Scripting, VB.NET, MATLAB, LabVIEW</p> <p><b>Data/Databases:</b> Microsoft SQL Server, Oracle, MySQL, SQLite, YAML, XML, JSON</p> <p><b>Applications:</b> Microsoft Visual Studio, Git, ClearCase, Toad, Eclipse, Cygwin, GNU Make, Ant, IPython, OpenSSH</p> <p><b>Technologies:</b> ASP.NET 4 &amp; 5, ASP.NET MVC 5, Docker, ASP.NET Web Forms, Spring, Hibernate, Java EE, Sphinx documentation tools, Jekyll</p> <p><b>Operating Systems:</b> Microsoft Windows (Server 2003, XP, Vista, 7, 8), UNIX (Fedora, Ubuntu, Red Hat Enterprise Linux, Android)</p> <p><b>Other:</b> Linux user for 7 years, proficient at UNIX command line, technical documentation writing</p>
<b>Education</b>	<ul style="list-style-type: none"><li>• <b>Master's Candidate in Information Engineering</b>, 2015, Autonomous University of Nuevo León. Overall Grade 94.5/100.0</li><li>• Bachelor in Mechatronics Engineering, 2012, Autonomous University of Nuevo León, graduated with honors, Overall Grade 95.9/100.0</li></ul>
<b>Other projects</b>	<ul style="list-style-type: none"><li>• ASPNET5CO: Advocacy and Community. Efforts to advocate the ASP.NET 5 framework and drive its adoption, <a href="http://pedroivanlopez.com/aspnet5co">http://pedroivanlopez.com/aspnet5co</a></li><li>• mazerob: Bluetooth-remote-control robot implemented with Java Virtual Machines on a PC and a Lego NXT Brick, <a href="http://pedroivanlopez.com/mazerob">http://pedroivanlopez.com/mazerob</a></li></ul> <p>Other open source projects at <a href="http://pedroivanlopez.com/projects">http://pedroivanlopez.com/projects</a></p>