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<b>Experience</b>	<p><b>Epicor Software Corporation</b>, Monterrey, Nuevo León, Mexico <b>Senior Software Developer</b>, Feb 2017 - present. Custom Solutions Group, I work on extending &amp; adapting our base products to better fit the business requirements of customers in North &amp; South America.</p> <ul style="list-style-type: none"><li>• Implemented 5 medium to large integrations between ERP app servers in the cloud &amp; a variety of third-party systems via OData (REST) v3 &amp; v4.</li><li>• Reduced execution time of mass update by 90% by porting business logic code from client to server, &amp; by porting database access code from Entity Framework to stored procedures in native T-SQL</li><li>• Highest billable utilization out of all the Mexico CSG team in FY2019, and top 10% in FY2021</li><li>• One of the top 10 employees of the Epicor Monterrey branch (all departments) in Q4 2019</li><li>• Delivered the 1st mobile dashboard solution of the Mexico branch, a responsive HTML5 client with C#/.NET on the backend</li><li>• Developed 25 custom file formatters in C# for the ACH network &amp; Positive Pay bank services</li><li>• Wrote T-SQL code generators in Python 3 for data/schema definition &amp; data querying</li><li>• Created 15 new forms/modules in C# for the Epicor ERP system version 10+</li><li>• Managed total 6 engineers &amp; architects in multiple projects in 2018 &amp; 2019 (project management)</li></ul> <p><b>Infosys Ltd.</b>, Monterrey, Nuevo León, Mexico <b>Systems Engineer</b>, Jan 2013 to Feb 2015. Contractor for a Fortune 100 multinational banking &amp; financial services corporation. Development, administration &amp; support for a global trade finance application used mainly in North America &amp; Asia</p> <ul style="list-style-type: none"><li>• Coded &amp; tested 7 new agents/batch-jobs &amp; features in Java, C#, JavaScript &amp; Windows Batch</li><li>• Fixed 350 incidents, including code bugs, development of new features &amp; data fixes</li><li>• On-call primary contact for 20 weeks, leading 30 <i>Request For Change</i> procedures in Production</li></ul> <p><b>Self-employment, Freelance Consultant</b>. Feb 2015 to Dec 2016 Coached job applicants &amp; students on computer science &amp; software engineering topics.</p> <ul style="list-style-type: none"><li>• <a href="#">Published</a> implementations of data structures, algorithms, &amp; solutions to programming problems</li></ul> <p><b>Center for the Development of the Software Industry</b>, Monterrey, Nuevo León, Mexico. <b>Software Engineer</b>, Oct 2012 to Jan 2013</p> <ul style="list-style-type: none"><li>• Performed testing &amp; quality assurance of an enterprise financial Web platform for a Mexican bank, implemented in Java Enterprise Edition &amp; JavaScript</li></ul> <p><b>School of Physics &amp; Mathematics at UANL</b>, Monterrey, Nuevo León, Mexico <b>Research Assistant</b> (internship), Aug 2011 to Feb 2012</p> <ul style="list-style-type: none"><li>• Developed &amp; maintained robust control systems software in Python, MATLAB &amp; Simulink</li><li>• Co-authored one published paper: Basin, M.; Serna, M.; Lopez-Hernández, P.I., <a href="#">Central energy-to-peak filter design for uncertain linear systems</a>, Control Conference (ASCC), June 2013</li></ul>
<b>Computer Skills</b>	<ul style="list-style-type: none"><li>• <b>Languages:</b> C#, JavaScript, TypeScript, LINQ, Python, Java, (T-)SQL, HTML, Bash/UNIX Shell Scripting</li><li>• <b>Data/Databases:</b> SQL Server, Oracle, XML, JSON, MySQL, SQLite, YAML</li><li>• <b>Technologies:</b> .NET 4.8, OData v3/v4 REST, WCF/RPC, Entity Framework 6, LINQ to Entities, LINQ to XML, Infragistics, Epicor Internet Component Environment (ICE SDK &amp; ICE Tools), Java</li><li>• <b>Applications:</b> Vim, Visual Studio, Visual Studio Code, Git, LINQPad, Toad, Cygwin, OpenSSH, WSL</li><li>• <b>Operating Systems:</b> UNIX (Fedora, Red Hat Enterprise Linux), Windows (Server 2016, 10, 7, XP, Vista)</li></ul>
<b>Education</b>	<ul style="list-style-type: none"><li>• <b>Master of Information Engineering in Computer Science</b>, 2015, Autonomous University of Nuevo León. Overall Grade 94.5/100.0</li><li>• Bachelor of Engineering in Mechatronics, 2012, Autonomous University of Nuevo León, graduated with honors (<i>Mención Honorífica de Excelencia</i>), Overall Grade 95.9/100.0</li></ul>
<b>Projects</b>	<ul style="list-style-type: none"><li>• <b>LeetCode Solutions</b>, <a href="https://github.com/lopezpdvn/leetcode-solutions">https://github.com/lopezpdvn/leetcode-solutions</a></li><li>• <b>Code snippets</b>, <a href="https://github.com/lopezpdvn/snippets">https://github.com/lopezpdvn/snippets</a></li></ul>

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