

# DAMIAN CAPDEVILA

[LinkedIn](#) | [GitHub](#) | [Blog](#) | ☎ +34 673478270 | 🌐 Madrid, ES | ✉ damian.capdevila@hotmail.com

## Skills

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- C# | .NET | REST API | WPF | Blazor | MVVM | Unity Container | Nunit | Python | Streamlit | Industrial Automation | PLC | HMI
- Docker | Git | Azure | Refactoring Legacy Systems | Code Reviewing | Azure DevOps | Agile Software Development | Testing
- Professional English | Native Spanish | Conference Speaking | Presales | Technical Consultancy | Technical Sales

## Experience

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Software Engineer	<u>Siemens</u>	Madrid, Spain	11/2023 - Current
<ul style="list-style-type: none"><li>• Led <b>design</b> and <b>development</b> of an enterprise-grade application used worldwide across 150 factories by an automotive brand. <b>Saved ~80k Euros quarterly by speeding up the SDLC a 400%</b>. (C#, .NET Framework 4.8, MVVM, WPF, Unity Container for DI).</li><li>• Delivered <b>10+ features</b> in 2 months for a <b>RAG AI assistant</b>. <b>The assistant saves ~60k Euros in operation costs monthly</b>, as it makes the department's work faster. (C#, .NET 8, MVVM, RAG, WPF, NUnit, Azure OpenAi Studio).</li><li>• Enabled a <b>RAG AI assistant</b> to <b>scale to a global user base</b>, migrating the code base to a <b>Web-Based application</b>. (Python, Streamlit).</li><li>• <b>Drove success of a multi-billion project</b> by achieving <b>100% faster machine-machine communication</b>, providing <b>engineering consultancy</b> for the world's largest battery production project, during a trip to <b>South Korea</b>. (PLC programming, TIA Portal, Profinet).</li></ul>			
Application Engineer	<u>Siemens</u>	Plzen, Czech Republic	07/2020 -11/2023
<ul style="list-style-type: none"><li>• Generated ~100k Euros, solving <b>support requests</b> and <b>providing presales consultancy</b> to Siemens' branches <b>worldwide</b>.</li><li>• Created a <a href="#">motion control application example</a> with technical manual and its promotion material. <b>Hit over 11k views</b>.</li><li>• Coordinated the creation of a Motion Control <b>Web-Based training</b>, acting as a <b>SME</b> and <b>curating</b> the material.</li><li>• Coded several Function Blocks of a Control <a href="#">Library</a> in TIA Portal, using <b>agile methodologies in Azure DevOps framework</b>.</li></ul>			
Service Engineer	<u>Siemens</u>	La Plata, Argentina	05/2019 -07/2020
<ul style="list-style-type: none"><li>• Worked for <a href="#">TecPlata</a>. <b>Saved the company ~150k USD</b> by cutting downtimes during ship load/unload operations.</li><li>• <b>Programming, commissioning, and debugging</b> Siemens' PLCs, VFDs and SIMOTION, <b>enhancing operation speed and safety</b>.</li><li>• <b>Managed tens of contractors</b> from other companies, ensuring <b>quality and timeliness</b> of their work, adding to TecPlata's success.</li></ul>			
Doctoral Researcher	<u>UNLP</u>	La Plata, Argentina	05/2018 - 05/2019
<ul style="list-style-type: none"><li>• Published <a href="#">Wearable platform for Human-Machine interfaces</a>. <b>Hardware and Software design (C#, Altium Designer) (2019)</b>.</li></ul>			
Software Engineer	<u>A.R.G SRL</u>	La Plata, Argentina	10/2017 - 05/2018
<ul style="list-style-type: none"><li>• <b>Designed and programmed</b> a desktop app for <b>real time waste treatment management</b> of <b>1000+ hospitals</b> for <a href="#">VEOLIA</a>. <b>Project revenue surpassed 100k USD</b>. (VB.NET + WinForms + Microsoft SQL).</li></ul>			

## Education

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Master of Engineering (Electronics)	<u>UNLP</u>	La Plata, Argentina	03/2012 - 10/2017
<ul style="list-style-type: none"><li>• <a href="#">Thesis in Brain-Computer interfaces</a>, based on Stationary-state visually-evoked potentials.</li></ul>			

## Courses

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- Microsoft Applied Skills: Develop an ASP.NET Core web app that consumes an API – [Credential here](#)
- University of Michigan: Web Application Technologies and Django – [Credential here](#)
- University of Michigan: Python for Everybody Specialization – [Credential here](#)