

# DAMIAN CAPDEVILA

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## 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** Siemens *Madrid, Spain* **11/2022 - Current**

- Led **design and development** of an enterprise-grade application used worldwide across 150 factories by an automotive brand. **Saved ~80k Euros quarterly by speeding up the SDLC a 400%**. (C#, .NET Framework 4.8, MVVM, WPF, Unity Container for DI).
- Delivered **10+ features** in 2 months for a **RAG AI assistant**. **The assistant saves ~60k Euros in operation costs monthly**, as it makes the department's work faster. (C#, .NET 8, MVVM, RAG, WPF, NUnit, Azure OpenAi Studio).
- Enabled a **RAG AI assistant to scale to a global user base**, migrating the code base to a **Web-Based application**. (Python, Streamlit).
- **Drove success of a multi-billion project** by achieving **100% faster machine-machine communication**, providing **engineering consultancy** for the world's largest battery production project, during a trip to **South Korea**. (PLC programming, TIA Portal, Profinet).

**Application Engineer** Siemens *Plzen, Czech Republic* **07/2020 - 11/2022**

- Generated ~100k Euros, solving **support requests** and **providing presales consultancy** to Siemens' branches **worldwide**.
- Created a [motion control application example](#) with technical manual and its promotion material. **Hit over 11k views**.
- **Coordinated the creation** of a Motion Control **Web-Based training**, acting as a **SME** and **curating** the material.
- **Coded** several Function Blocks of a Control [Library](#) in **TIA Portal**, using **agile methodologies in Azure DevOps framework**.

**Service Engineer** Siemens *La Plata, Argentina* **05/2019 - 07/2020**

- Worked for [TecPlata](#). **Saved the company ~150k USD** by cutting downtimes during ship load/unload operations.
- **Programming, commissioning, and debugging** Siemens' PLCs, VFDs and SIMOTION, **enhancing operation speed and safety**.
- **Managed tens of contractors** from other companies, ensuring **quality and timeliness** of their work, adding to TecPlata's success.

**Doctoral Researcher** UNLP *La Plata, Argentina* **05/2018 - 05/2019**

- Published [Wearable platform for Human-Machine interfaces](#). **Hardware and Software design (C#, Altium Designer) (2019)**.

**Software Engineer** A.R.G SRL *La Plata, Argentina* **10/2017 - 05/2018**

- **Designed and programmed** a desktop app for **real time waste treatment management** of **1000+ hospitals** for [VEOLIA](#). **Project revenue surpassed 100k USD**. (VB.NET + WinForms + Microsoft SQL).

## Education

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**Master of Engineering (Electronics)** UNLP *La Plata, Argentina* **03/2012 - 10/2017**

- [Thesis in Brain-Computer interfaces](#), based on Stationary-state visually-evoked potentials.

## 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](#)