




Christian Ivraín Jalapa Pérez

Software Developer – Full-Stack | Python • .NET • Angular | CAD Automation | Mentorship

 Denton, Texas, USA | Mexican

 cristian151804@gmail.com

 LinkedIn: Christian Jalapa

PROFESSIONAL SUMMARY

Software developer with 8+ years of hands-on experience creating both desktop and web solutions in Python and .NET. I've spent the last few years specializing in CAD automation for electrical harnesses, working with ParaPy, OpenCascade, SQL Server, and Azure DevOps to streamline complex processes.

I currently serve as a technical point of contact across several Safran projects, mentoring junior developers and working directly with clients like Jabil and Blue Origin. Based in the U.S., I'm looking to take the next step into a solution architect or technical leadership role.

PROFESSIONAL EXPERIENCE

Software Developer – Safran – Denton, TX, USA (Jun 2023 – Present)

- Leading the development of a custom CAD automation platform using Python, which has helped double our harness design speed.
- Serving as technical reference across Python, .NET, and Angular solutions, guiding design and implementation.
- Mentoring team developers through code reviews, design sessions, and knowledge-sharing.
- Built detorsion and flattening algorithms that reduced harness processing time by over 35%.
- Enhanced application security to achieve CMMC compliance via internal logging, AD authentication, and FIPS 140-2 I/O encryption.

.NET Software Analyst / Developer – Safran – Chihuahua, Mexico (Apr 2021 – Jun 2023)

- Created and maintained enterprise web apps (ASP.NET MVC, SQL Server).
- Improved reporting speed by 28% with SSRS/SSIS optimizations.
- Introduced Python modules into legacy .NET workflows for CAD automation.

Tools and Applications Developer L2 – Safran Engineering Services – Chihuahua, Mexico (Jun 2018 – Apr 2021)

- Built VB.NET and C# tools to automate CATIA processes, reducing manual design tasks.
- Designed SQL Server-based solutions for reporting and validation.
- Delivered development services across Safran divisions and clients (Jabil, Blue Origin).
- Developed reusable libraries applied in 4+ automation projects.

Web Developer – Instituto Tecnológico Superior de Nuevo Casas Grandes – Mexico (Jan 2017 – Jun 2018)

- Maintained and updated the university's website (HTML, CSS, JavaScript, PHP).
- Collaborated with academic staff to implement new modules for students.

EDUCATION

Bachelor's in Computer Systems Engineering (Networking & Databases)

Instituto Tecnológico Superior de Nuevo Casas Grandes – Mexico (2013 – 2018)

TECHNICAL SKILLS

- Languages & Frameworks: Python, C#, VB.NET, TypeScript, Angular, ASP.NET Core, Blazor
- Databases & Reporting: SQL Server, SSRS, SSIS, T-SQL
- Tools & Platforms: Git, Azure DevOps, Visual Studio, ParaPy, OpenCascade, CATIA Automation
- Other: OOP, REST APIs, Software Architecture, Process Optimization

CERTIFICATIONS & ACHIEVEMENTS

- Cisco Certified Network Associate (CCNA) – Completed in 2017 as part of my networking specialization.
- 1st Place – State-Level Programming Contest (Chihuahua, Mexico), 2017

LANGUAGES

- Spanish: Native
- English: Professional working proficiency (daily use in U.S. projects)