

# Marco De Jesus

Sr. SDET | QA Automation Manager

+1 858 933 4510 · [marco\\_dejesus@live.com](mailto:marco_dejesus@live.com)

[LinkedIn](#) · [GitHub Portfolio](#)

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## Professional Profile

Automation engineer and technical leader with 14+ years of experience transforming software quality through AI-powered automation. I have led teams of up to 45 engineers, built frameworks from scratch, and reduced regression cycles from 3 days to 1 hour. My approach combines strategic thinking, technical execution, and mentorship to deliver measurable business results.

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## Core Competencies

Area	Technologies / Methodologies
AI-powered automation	Cursor AI, MCP, Ollama, GPT-4o, RAG, Postman Flows
Testing frameworks	Playwright, Selenium, Appium, Rest-Assured, SpecFlow, WinApp Driver
Languages	Python, Java, C#, Ruby, SQL
CI/CD & DevOps	Azure DevOps, Jenkins, GitHub Actions, Docker, Git
Methodologies	Agile, Scrum, SAFe, BDD, TDD, SOLID, Page Object Model

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## Professional Experience

### Software QA Automation Manager

**Axos Bank** · San Diego, CA (Remote from Mexico) · Apr 2022 – Present (3 years 9 months)

- Led AI-driven automation transformation: as sole engineer, increased API test coverage from 40% to 95% in 4 weeks, reducing costs by 75% and accelerating releases by 300%.
- Designed a multi-LLM agent system (Ollama + GPT-4o) that reduces test maintenance by 90% and enables autonomous test evolution.
- Reduced regression from 3 days to 1 hour through full-stack automation (Web/Mobile/API) using Playwright and MCP, enabling daily releases and cutting time-to-market by 97%.
- Deployed on-prem LLM containers (Ollama) for secure test case generation, saving \$50,000 annually in external API costs.

### Sr. Software Development Engineer in Test

**OfferUp** · Tlaquepaque, Mexico · Jul 2021 – Mar 2022 (9 months)

- Built an enterprise-grade API test framework from scratch using Java, Rest-Assured, and JUnit5, reducing API regression time by 70% and integrating daily CI runs.
- Extended coverage to mobile using Appium (iOS/Android), achieving 85% coverage of critical user journeys.
- Trained the team on best practices and refactoring, reducing technical debt by 30%.

### Teacher and Mentor

**QA Minds Lab** · Guadalajara, Mexico · Feb 2021 – Mar 2022 (14 months)

- Created a comprehensive automation curriculum (Selenium, Java, Maven, TestNG, design patterns). 80% of 50+ students secured automation roles within 6 months.

### Lead Software Test Automation Engineer | Engineering Manager

**EPAM Systems** · Guadalajara, Mexico · Jul 2019 – Jul 2021 (2 years 1 month)

- Managed the full employee lifecycle for a team of 15+ engineers, improving technical competency by 40% within the first year.
- Developed a desktop UI automation framework using WinApp Driver and C#, achieving 80% coverage with reusable patterns.
- Implemented SOLID-based code reviews and CI/CD pipelines with Azure DevOps, reducing bug rates by 25% and manual deployment time by 60%.

## Sr. Automation Tester

Cognizant · Zapopan, Mexico · Dec 2018 – Jul 2019 (8 months)

- Acted as primary technical point of contact, training the team on C# and Git, achieving 100% requirement coverage.
- Implemented canary deployments and API automation with RestSharp + Selenium, reducing regression time by 50% and production incidents by 35%.

## Earlier Experience

Role	Company	Key Result
Software QA Analyst	Herbalife	Automation coverage 30% → 70%, 200+ defects prevented, Scrum Master: velocity +30%
Sr. QA Analyst	Softtek	STLC implementation, test effectiveness +35%, mentored 5 juniors to mid-level
Software Tester	UST Global	Production defects reduced by 40%
Fullstack Developer	Universidad Tecnológica de León	Java web apps with 99.5% uptime

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## Certifications

- ISTQB Foundation Level
- SAFe 4 Agilist
- Scrum Master Certified
- Six Sigma Yellow Belt

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## Education

- **Master's in Administrative Engineering & Quality** – Universidad de La Salle Bajío (2013–2015)
  - **Bachelor's in Information Technologies** – Universidad Tecnológica de León (2007–2012)
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## Languages

- Spanish: Native
- English: Native / Bilingual