

PROFILE

I build the testing infrastructure that lets development teams ship faster with confidence. My work spans framework design (Selenium, Playwright, Pytest), API and performance testing (JMeter, Postman), and CI/CD integration in Azure DevOps and Jenkins. Hardware-validation roots at Intel and IBM gave me a debugging mindset I apply across every layer of the stack — from flaky UI tests to memory-bus race conditions. Currently exploring AI-augmented testing with MCP servers and LLM-driven test generation.

CAREER

With 16 years bridging hardware validation and modern QA automation. Python and C# framework specialist. Open-source contributor.

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[Github Repository](#)

[LinkedIn Profile](#)

Ravilesx.org

SOFTWARE TOOLS

- Languages: Python, C#, Java, JavaScript, Dart, SQL.
- Test Automation: Selenium, Playwright, Pytest, JUnit, xUnit.
- API & Performance: JMeter, SoapUI, Postman
- DevOps & CI/CD: Azure DevOps, Jenkins, Git, Linux
- Databases: MS SQL Server, IBM Db2
- AI Stack: Claude Code, MCP Servers, RAG, LLMs.

EDUCATION

Bachelor's Degree in Computer Science
Instituto Tecnológico Superior (ITSCC)

TRAININGS

SAFe 4.5.0.2 · ITIL Foundations ·
EDI Basics & Advanced · TLW
Continuous learning via Platzi &
LinkedIn Learning.

HOBBIES

Guitar player, singer,
DIY electronics.

PERSONAL PROJECTS

- PlayIt — Cross-platform audio player with ML-powered stem separation. Python, PyQt6, Demucs, sounddevice. Custom .mlst playlist format. Linux + Windows. github.com/RavilesX/PlayIt.
- Python Test Automation Framework — Pytest + Selenium with Page Object Model for web UI regression.
- Java Test Automation Framework — Selenium + JUnit with cross-browser parallel execution.
- Swipic — Tinder-style media cleanup app. Flutter/Dart, iOS + Android.
- Additional Flutter apps: MiBalance (personal finance), RepertApp (musician's repertoire), mobile games (Math-tris, RompeCocos, Atenea's Field, MathEater).

EXPERIENCE

QA Automation II
Herbalife.**2018-Today**

- Designed and maintained C# test automation framework (Selenium, SAFe workflow) covering web and mobile flows across QA and Staging environments.
- Owned end-to-end test strategy for backend services, REST APIs, and frontend applications across multiple user roles and permission models.
- Partnered with developers and QA leads in design reviews to shift testability left and define acceptance criteria before implementation.
- Built and tuned performance test suites in JMeter; diagnosed bottlenecks and delivered actionable findings to engineering teams.
- Regression time reduced by 35%, Raise bugs caught pre-prod by 15%, 3 releases supported per quarter.

System Administrator
Honda de México.**2013-2018**

- Administered and supported enterprise systems (E-RMS, BPCS, WMS, LoCS, HIS) and Sonic ESB across production environments.
- Managed Cisco Unified Communications (CallManager) and EDI integration via Trusted Link for Windows.

Hardware Engineer
Intel**2012-2013**

- Led a team performing stress validation on a memory buffer designed for high-performance servers.
- Authored Python and Bash scripts that improved internal test tooling and deployment automation.
- Drove workarounds and code upgrades into the validation pipeline, reducing test-cycle iteration time.

Test Engineer
IBM**2010-2012**

- Executed stress, capacity, and operational testing on enterprise storage servers.
- Performed root-cause analysis and component replacement during validation cycles.
- Conducted manual inspection (MI) post-test to certify quality before customer release.