
Francisco Perez Leiros

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Summary

QA Automation Engineer with over 5 years of experience specializing in architecting and deploying scalable test automation frameworks. I possess expertise across the full Quality Assurance lifecycle, from designing detailed Test Plans and authoring comprehensive test cases to executing thorough Functional, Integration, and API testing. Proficient in building robust automation solutions using **Playwright with TypeScript, including Playwright MCP for enhanced test orchestration and maintainability**, and also versatile with **Python and Selenium**. Experienced in integrating automation frameworks into **Azure DevOps and GitHub Actions CI/CD pipelines**, enabling continuous testing across **front-end and back-end web applications (API)**. Committed to maximizing product reliability and performance through rigorous validation, effective test strategy design, and data-driven root cause analysis.

Experience

11/2024 - 11/2025

Tetrapak - Modena Italy - Hybrid Quality Assurance Test Specialist

- Performed Verification and Validation (V&V) of test plans and authored comprehensive test cases for industrial automation systems using Beckhoff and TwinCAT PLCs, with test cases written in Gherkin (BDD) for clear, behavior-driven specifications.
- Conducted system testing deployed using Docker across Cloud platforms on Linux CentOS-based environments, ensuring compliance with functional and safety requirements.
- Analysed and interpreted SQL-based log data generated by automation systems to verify system behaviour, troubleshoot issues, and support root cause analysis.

12/2023 - 11/2024

Cemantica - Paris France - Remote Quality Assurance Specialist

- Managed the full QA process, including the development of comprehensive test suites and the execution of functional, regression, and integration tests.
- **Engineered a test automation framework** from scratch using **TypeScript and Playwright**, integrated directly into **Azure DevOps pipelines** for automated runs. Also used **GitHub and GitHub Actions**.
- Executed a hybrid testing strategy, utilizing automated scripts for regression while performing manual testing for edge cases and UI/UX validation.
- Acted as the primary technical point of contact for defect resolution, debugging to assist the development team in fixing high-priority bugs.

03/2022 - 12/2023

Tudip Technologies - Pune India - Remote QA Engineer

- Reviewed functional and design specifications to align testing objectives with project requirements.
- Developed and executed detailed test cases for various functionalities across web and mobile platforms (iOS & Android).
- Collaborated with a Senior QA Engineer to design and develop test cases using **Gherkin (BDD)** and **Selenium** with **Python**, integrating them into a Jenkins CI pipeline.
- Performed diverse testing types, including functional, regression, integration, and accessibility testing.
- Used **Postman** for comprehensive **REST API** testing.
- Mentored new hires, leading multiple onboarding processes.

11/2020 - 03/2022

UTest - Massachusetts United States - Remote QA Tester

- Conducted manual testing of web-based platforms, developing detailed test plans and cases.
- Performed functional, regression, integration, and user acceptance testing to ensure platform stability.
- Collaborated with teams to validate new features and identify critical bugs.

Skills & Tools

- Clear Communication
- Test Automation
- Pipeline Design
- Documentation writing
- Agile/Scrum Methodologies
- End-to-End (E2E) Testing
- Regression Testing
- System Testing
- Integration Testing
- Database Testing (SQL)
- Accessibility testing
- API testing
- Mobile Testing
- Cross-browser Testing
- Jira
- Github
- Azure DevOps
- Postman
- JavaScript
- TypeScript
- Python
- SQL
- Playwright
- Selenium
- TestRail
- Docker
- Playwright MCP
- Cursor
- Copilot

Languages

English:

C2

Proficient

Italian:

B1

Intermediate

Spanish:

C2

Proficient

Education

01/2011

University Of Belgrano - Argentina
Bachelor: Psychology

Linkedin

<https://www.linkedin.com/in/francisco-leiros/>

Certifications

- Data Science & AI, UNSAM Data Science & AI Machine Learning -2023
- Professional Testing Master - National Technological University - 2021