

Profile

Automation Engineer with hands-on experience designing Python solutions for operational processes, financial data workflows, browser-based tasks, validation, and reporting. Skilled in identifying repetitive work, translating business requirements into maintainable scripts, and improving reliability through data checks, logging, and error handling. Practical experience with Python, SQL, relational databases, Pandas, OpenPyXL, Selenium, REST APIs, and CLI tools, including automation that reduced a recurring two-hour process to approximately fifteen minutes.

Automation & Technical Stack

Languages	Python, SQL, JavaScript basics
Automation	Python scripting, process automation, CLI tools
SQL & Data	SQL, SQLite, relational databases, data validation
Workflows	Data ingestion, transformation, reconciliation
Data Tools	Pandas, OpenPyXL, Excel automation
Web & APIs	Selenium, REST APIs, Requests, JSON
Backend	FastAPI, API design and database fundamentals
Tools	Git, GitHub, Linux, Docker basic, Typer

Automation Projects

Finance Pipeline	<i>Python, Pandas, OpenPyXL, Selenium.</i> Designed an end-to-end workflow for bank-data extraction, transformation, reconciliation, financial updates, and reporting. Added validation for duplicate and missing records, data consistency, and business rules, reducing repetitive processing by approximately 80%.
Data Workflows	<i>Python, SQL, Pandas, OpenPyXL.</i> Built reusable data-processing and validation routines for structured records, calculations, transformations, monthly reporting, and operational controls.
ERP Automation	<i>Python, Selenium.</i> Automated back-office processes including client search, payment-method selection, transaction registration, and result verification. Added waits, exception handling, and recovery logic for dynamic elements and unexpected conditions.
CLI Toolkit	<i>Python, Typer, Pandas.</i> Developed a command-line toolkit that integrates data processing, browser automation, validation, and reporting into reusable commands with clear execution flows and error handling.
API Automation	<i>Python, Requests, REST APIs, JSON.</i> Created scripts and automated checks for API requests, payload processing, response validation, negative scenarios, and integration with data workflows.

Professional Experience

2020–Present	Operations & Automation Specialist , <i>Club de Deportes Discóbolo</i> , Buenos Aires - Identify repetitive financial and administrative tasks and translate stakeholder requirements and business rules into maintainable automation solutions. - Build Python workflows for data ingestion, transformation, reconciliation, reporting, and browser-based operations, reducing a recurring process from approximately two hours to fifteen minutes. - Validate records across bank exports, spreadsheets, and internal systems, checking completeness, consistency, duplicates, and expected results. - Monitor and troubleshoot automation failures, improving selectors, validation logic, logging, exception handling, and execution reliability. - Document workflow behavior, operational rules, configurations, and reusable procedures to support maintenance and continuous improvement.
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Education & Training

2026–Present	QA Automation (in progress) , <i>Talento Tech — Gobierno de la Ciudad de Buenos Aires</i> , Buenos Aires
2025	Testing QA , <i>Talento Tech — Gobierno de la Ciudad de Buenos Aires</i> , Buenos Aires
2021–2024	Full-Stack JavaScript & Backend with Python , <i>Platzi</i> , Online
2015–2018	Biomedical Engineering (first 3 years) , <i>UNSAM</i> , Buenos Aires

Languages

Spanish: Native | English: Advanced (C1) | Portuguese: Advanced (C1) | German: Basic (A2)