

Leandro Emanuel Varela

•San José, Costa Rica •(506) 8630-4521 •leanvarela6@gmail.com •[LinkedIn](#) •[Portfolio](#)

Experienced Automation Developer with proven expertise in designing, developing, and implementing automation solutions using Automation Anywhere, Power Automate, and Python-based bots. Skilled at reducing manual workloads, improving accuracy, and driving process efficiency through intelligent automation. Adept at collaborating with cross-functional teams, creating training resources, and experimenting with AI and NLP to enhance automation capabilities.

HP Inc.	Professional Experience	San José, Costa Rica (Hybrid)
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Software Engineer – LATAM Sales Digital Transformation

Mar 2024 – Mar 2025

- "Spearheaded end-to-end automation solutions using Python and Power Automate, streamlining workflows across multiple business areas, reducing manual effort by 90%, and ensuring compliance through automated data validations."
- Designed and deployed a Django-based web platform to streamline the creation of print supply contracts for the sales team, reducing processing time from 15 minutes to just 2 minutes per contract, increasing efficiency and contract visibility.
- Built RESTful APIs with Django REST Framework and architected a relational MySQL database to consolidate procurement opportunity data from multiple sources via custom scraping scripts.
- Implemented scheduled background tasks using **Celery** and deployed a dedicated server to continuously run data extraction jobs, ensuring up-to-date procurement intelligence.
- Enabled real-time data visualization and strategic insight by integrating the database with Power BI dashboards, improving opportunity visibility from 1 out of 10 to near full awareness.
- Applied advanced web scraping techniques to extract high-value intelligence from government procurement portals, effectively navigating dynamic content and anti-bot protections.
- Led agile project tracking via Jira, maintained technical documentation, and coordinated with cross-functional stakeholders to ensure alignment with business goals.

ForwardingCR – Quotation Management System

San José, Costa Rica (Remote)

Software Engineer

Feb 2025 – Apr 2025

- Developed a fully automated quotation platform tailored to international logistics clients, improving quotation creation time and reducing manual calculations.
- Built a scalable architecture using Docker for both development and production environments.
- Implemented secure authentication with token-based login and two-step verification.
- Automated PDF generation using WeasyPrint, reducing processing time by 90% and streamlining delivery via email.
- Designed modular architecture ready for integration with payment gateways and logistics APIs.
- Data is submitted to a REST API and stored in a MySQL database for traceability and reporting.

MyCita – Healthcare Appointment System

San José, Costa Rica (Remote)

Software Engineer

May 2025 – Jun 2025

- Web application for healthcare professionals to manage appointments, track patient follow-ups, and send reminders, increasing operational efficiency.
- Built a Single Page Application (SPA) using React + Vite, leveraging useState and useEffect for dynamic user interaction.
- Designed a Django REST API with protected endpoints, separated business logic, and relational MySQL database structure.
- Implemented full CRUD functionality for patients, appointments, diagnoses, and automated email/SMS reminders.
- Created dashboards displaying key performance metrics such as attendance rates, patient retention, and weekly trends.

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Public Procurement Scraper – Data Collection Automation Tool

San José, Costa Rica (Remote)

Software Engineer

July 2025 – Present

- Engineered a scalable scraping pipeline to extract procurement data from government portals with pagination, dynamic content, and anti-bot countermeasures.
- Automated data cleaning and normalization processes, storing structured results in a **MySQL database**.
- Exposed the data through a RESTful API for integration with **Power BI** dashboards and reporting tools.
- Implemented **proxy rotation** and **headless browser automation** to bypass scraping restrictions and ensure high reliability.
- Filtered and categorized data for end users via a web dashboard, improving visibility and opportunity tracking.

Skills & Other

AUTOMATION & RPA SKILLS

Languages: Python, Java, C#, HTML5, CSS3, JavaScript

Frameworks: Django, Django Api REST Framework, Flask, ASP.NET MVC, Node.js, React (Vite)

Databases: MySQL, Firebase, SQL Server, PostgreSQL

Tools & Platforms: Docker, GitHub, AWS (basic), WordPress, Automation Anywhere, Power Automate,

Data Tools: Power BI, Web Scraping, Pandas, BeautifulSoup, Selenium, Celery, Scrapy

Operating Systems & Security: Kali Linux

Methodologies: Agile/SCRUM, Jira

Language: Spanish (Native) – English (B1 in progress)

Certification

Django REST Framework from Zero to Expert – Udemy, 2024

Web Scraping with Python – Udemy, 2024

Practical Django Backend Development – Udemy, 2024

LinkedIn: www.linkedin.com/in/leandro-emanuel-varela-90b34b182

• Portfolio: <https://repository-lv.onrender.com/>

Education

ULACIT

Bachelor's Degree in Computer Engineering

2022 - 2025