

Jaime Salazar Lahera

Senior Backend Programmer with **5+ years of experience** implementing backends and automating a variety of business needs. Focused on **programming best practices and process improvement**, providing skills crafted in an international context.

jaime.salazarlahera@gmail.com
jaimesalazarlahera.vercel.app
in/jaime-salazar-lahera
+34 605 725 691



Professional Experience

Senior Backend Programmer Responsible for 4 people
Alten Spain *Madrid, Spain*

January 2023 - Present

Development of **Dockerized Azure Functions (Python)** for the client with **Artificial Intelligence on Azure** for the processing of subsidies

- Leadership of the team after the parental leave of our Team Lead
- Implementation of the end-to-end process
- Document classification and data extraction: **Azure Document Intelligence, Azure Custom Vision, Azure OpenAI**
- Extensive use of **Pydantic** and customization of its internal behavior
- HTTP- and Queue-triggered functions (**Azure Storage Queues**)
- Document and data storage: **Azure Blob Storage, Azure CosmosDB**
- RAG-based chatbot: **Azure AI Foundry, Azure AI Search, Langchain**
- CI/CD with **AzureDevOps** and **pytest**
- Monolith migration to microservices: **Bitbucket**, libraries with **uv** and **AWS CodeArtifact**, IaC (**Terraform**)

Backend development for the client's **Django** app

- Feature improvements, bug fixes, code cleanup
- Multimedia content management in **AWS S3**
- Extensive use of **pydantic, celery, and pytest**
- Creation of **DRF** endpoints
- Downloading from an **SFTP** server
- Regular use of **gitlab pipelines, kubernetes, and DevContainer**
- Jira and Confluence

Backend and (some) frontend development for the client's website apps

- ExpressJS (Typescript)** and **Ionic Vue**
- CI/CD with GitHub Actions and Codemagic.io

Business process automation

- Maintained **UiPath** bots
- Pioneered **Robocorp (Python)** in the client, managed workers and Control Room
- Web automation** with Playwright: **digital certificates** (RedTrust), forms and download/upload of files in government websites and client's CRM
- Desktop automation: Java-based apps for digital certificates (AutoFirma)
- Email and Slack automation for **reports and alerts**
- CI/CD: **GitHub Actions** pipeline including testing and deployment to Robocorp's Control Room
- Some basic Terraform tasks

Setting up an Automations CoE and a Governance Service: development of **internal libraries, tools, and templates**, monitoring, and mentoring

RPA Programmer Analyst

John Bean Technologies *Madrid, Spain*

January 2021 - January 2023

Business process automation and **data delivery** for financial departments with **Python, Blue Prism, Power Automate/Apps**, and Tableau

Automation within the Office suite with **Microsoft Graph API**

Web automation: document upload/download to and from ERPs, online forms, and dashboards

Email automation: send/receive emails with attachments, images

Data delivery with Tableau for KPI reports and dashboards

Excel automation and Office Scripts

Deployment and maintenance of bots

App creation (forms, DB storage) with Power Apps

Requirements gathering and project delivery

RPA Developer

EDP Spain *Madrid, Spain*

November 2019 - December 2020

Back office automation with **UiPath** and **Python**

Document batch generation (Excel, PDF), **web scraping** (selenium, scrapy, beautiful soup, requests), and desktop automation (pyautogui)

Backoffice Technician

Solar Solution, LLC *Washington, DC, USA*

June 2013 - June 2015

Document automation (JavaScript, VBA) and pipeline management (VBA)

Academic Experience

Master's Degree in Electromechanical Engineering

Polytechnic University of Madrid (UPM) *Madrid, Spain*

September 2016 - February 2019

Master's Thesis - Autonomous Agricultural Robot

Prototyping with Arduino, Raspberry Pi, Flask, and MongoDB

PLC programming, NI LabView graphical programming, MATLAB

Electrical and mechanical simulation with Festo FluidSIM, QUCS, and SAM

Undegraduate Courses

January 2014 - June 2016

Polytechnic University of Madrid / Montgomery College *Madrid, Spain / Maryland, USA*

Introductory subjects in electronic engineering

Bachelor's Degree in Environmental Science

September 2011 - December 2013

University of Maryland, College Park *Maryland, USA*

Graduated *_cum laude_*

Minor in Ecological Technology Design and Geographic Information Systems (GIS)

Associates's Degree in Environmental Science and Policy

January 2010 - May 2011

Montgomery College *Maryland, USA*

2 year degree as a midpoint towards the Bachelor's Degree

Bachelor's Degree in Forestry Engineering

October 2007 - June 2009

Polytechnic University of Madrid *Madrid, Spain*

First 2 years of the degree before transferring to USA

Skills

Programming languages and software

- **Python:** Django, FastAPI, playwright, Robocorp, etc.
- **Docker,** CI/CD, IaC (Azure, AWS)
- **TypeScript/JavaScript,** MS Office Scripts

Native-level English

Native-level English due to an academic career and professional experience abroad

Projects

CV

This site was developed with Tanstack, Vite, and React. It converts markdown files to html and uses pdfMake to create the downloadable PDF version of this site.

Django

Dockerized Django app leveraging `django-ninja` and HTMX for a crypto trading bot. A DevContainer sets up via `docker compose` a few services such as:

- Auth with `django-allauth`, including Google OAuth
 - Background workers with `django-tasks` (migrated from Celery)
 - PostgreSQL for storing its configuration and orders placed
 - Chat via websockets (`django-channels`) with Groq and Ollama
- Dependency management with `uv` and CI/CD with GitHub Actions and `pytest`.