

# Jaime Herrera

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## WORK EXPERIENCE

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### Quito Municipality

Front End / Angular Developer

**Quito - EC (Hybrid)**

*December 2022 - Present*

- Executed front-end and backend development within a microservices architecture, employing Node and Angular frameworks.
- Constructed APIs from the ground up using Node on a Linux server, facilitating seamless integration with the Angular frontend. These APIs facilitated the retrieval of critical information such as user data, vehicle details, district specifications, center information, and event updates.
- Spearheaded the development of a comprehensive nationwide vehicle registration system from inception, enabling seamless electronic access to crucial information for thousands of users across various locations.
- Implemented rigorous Quality Assurance (QA) methodologies to uphold product integrity, scalability, and cleanliness, coupled with the adoption of Test-Driven Development (TDD) practices.

*Techstack:* JavaScript, Node, Angular, Servers, DB2, Jira

### DatosCout

Python Developer

**Orleans - FR (Remote)**

*July 2022 – December 2022*

- Developed web pages from scratch using Python and Django to control structures such as buildings, shopping centers, houses, thus achieving a record of status and maintenance, security, energy efficiency, etc.
- Test Driven Development, where a required functionality is implemented for the website where it then goes through a testing phase before going into production.
- Conducted successful QA Automation Testing before each deployment on Amazon Web Services (AWS), using tools such as Selenium, Unittest, Pytest and GitHub Actions.

*Techstack:* Python, Django, Html, JavaScript, Selenium.

### SERCOP

Python Developer

**Quito - EC (On-site)**

*January 2022 – June 2022*

- Developed a website from scratch to streamline public procurement processes.
- Created a service connection solution for extracting data from the European Union and our platform, employing technologies such as Python, MongoDB, and Flask. This implementation facilitated efficient and accurate data retrieval, streamlining procedures.
- Implemented a solution that served as an invaluable tool for SERCOP staff, eliminating the manual execution of hiring processes. This initiative resulted in a 40% reduction in time spent on these tasks, enhancing productivity, and minimizing potential human errors.

*Techstack:* Python, Flask, MongoDB, Github, Scrum

### Department of Agriculture

Front End Developer

**Quito - EC (On-site)**

*August 2021 – December 2021*

- Developed a web application specifically tailored for the agricultural sector, utilizing Angular and adhering to the Scrum Master methodology for efficient project management.
- Integrated a variety of key features into the application, including the integration of external APIs, implementation of geolocation via Google Maps, and utilization of Web Services, thereby delivering a comprehensive and immersive user experience.

- Implemented an application that significantly impacted the agricultural sector, enabling professionals in the field to execute procedures and tasks with greater efficiency. Consequently, thousands of individuals no longer needed to visit multiple locations to complete their procedures but could accomplish everything in one centralized platform.

*Tecnologías y herramientas: Angular, TypeScript, Google Maps, Scrum*

**Doms**  
FullStack Developer

**Quito - EC**  
*Jun 2021 – Nov*

- Led a team of 4 individuals in the development of a personal project.
- Developed and implemented a website from the ground up to facilitate the hiring of professional services, including plumbers, electricians, and mechanics within a 10-kilometer radius, utilizing Python, Flask, and MySQL as primary tools.
- Enabled users to hire professionals seamlessly without the need to leave their current location.

*Techstack: Python, Flask, MySQL, GCP (Google Cloud Platform), Ubuntu, Nginx, DNS, Load Balancer, SSL*

## **STACK & SKILLS**

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**Development:** Python, Node, React Native, Angular, Django, Flask

**Databases:** MySQL, DB2, SQL Server

**Clouds:** GCP (Google Cloud Platform), Amazon Web Services (AWS)

**Operative Systems:** Linux (Ubuntu, Centos)

**CI/CD:** GitHub Actions

**Methodologies:** Scrum

## **EDUCATION**

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**Pontifical Catholic University of Ecuador**

Information Systems Engineer

*(Sep 2018 - Nov 2022)*

## **LANGUAGES**

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**English:** B2 Upper Intermediate

**Spanish:** Native

**German:** B1 Intermediate