



Héctor Segura

Digital QA Engineer, AI Specialist

📍 San Luis Potosí, MX

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Education

01/2013 – 11/2017

San Luis Potosí, MEXICO

ITESM

B.S. Industrial & Systems Engineering

05/2024 – 09/2024

Online Course

Wizeline

Machine Learning Operations Bootcamp

- Lifecycles of ML models in production.
- Traceability and reproducibility of models.
- Model containerization and orchestration.
- Automation and monitoring. (CI/CD)

09/2023 – present

ITESM

Master's Degree in Applied Artificial Intelligence

- Development of a final project that describes and constructs the necessary pipelines to design and deploy a functional AI based application. Topic: Natural Language Processing.

Professional Experience

11/2023 – present

San Luis Potosí, México

Projects Development

IPICyT - YouLab

- Collaborate on selected projects for the development of technology focused on addressing social needs.
- Conduct periodic meetings with domain experts and the project manager.
- Apply machine learning algorithms to improve chest X-ray imaging interpretability and enable the early detection of cardiopathies in infants.
- Design a system for an early detection program for breast cancer in Mexico.
- Perform functional and regression testing on each iteration of the systems being developed in the lab.
- Conduct API testing using Postman.

09/2022 – present

San Luis Potosí, México

Digital QA Analyst

Resideo

- Responsible for verifying software features against functional requirements for websites and mobile apps.
- Create, document, and validate to closure UI design defects on Jira portal.
- Attend meetings with the development team to validate the status of detected bugs.
- Data analysis of issues occurring on 10+ websites.
- Communicate effectively across the organization to adhere to stringent timelines.
- Check foreign key constraints to ensure correct data relationships and integrity with SQL.
- Ensure that QA processes and procedures for test environments are followed and that the integrity of the various environments is not compromised.
- Collaborate with software development team members across India and Portugal.
- Participate in all UAT (user acceptance testing) cycles and performs testing with thoroughness and great attention to detail.
- Create, review and provide feedback on test scripts for the QA team to follow.
- Develop information procedures to analyze and present valuable information seeking business opportunities and improvement areas.

Languages

English
TOEFL 617

German
A2

French
Basic communication skills

Spanish
Native

Software

Python – Proficient

Javascript – Amateur

Microsoft Excel – Proficient

Tableau – Proficient

Git – Competent

TensorFlow – Proficient

Docker

SQL – Proficient

HTML/CSS – Amateur

Power BI – Proficient

Jupyter Notebook – Proficient

PyTorch – Proficient

Slack – Competent

Postman