RAÚL MAYA SALAZAR

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Portfolio: *https://raul-maya-portfolio.herokuapp.com/*

SUMMARY

Web Developer and Data Analytics Engineer with a background in Industrial Engineering and life-long dedication to learning. Certified by Tecnológico de Monterrey Data Analytics & Visualization Bootcamp, and by Tecnológico de Monterrey Web Development Bootcamp. Effective at combining creativity and problem solving to make sense of your information and build easy-to-use applications based on it. Recognized among employees for his sharp mind and mindfulness, no matter how complex the project.

TECHNICAL SKILLS

Languages: JavaScript (JS), Python (P), SQL (S)
Tools: jQuery (JS), Web APIs (JS), Node.js (JS), Express.js (JS), D3.js (JS), React.js (JS), Days.js (JS), Django (P), Flask (P), Pandas (P), Matplotlib (P), Plotly (P), Beautiful Soup (P), Selenium (P), Requests (P), Scikit-Learn (P), Postgres (S), MongoDB(M), Google Cloud Platform (GCP).s

RELEVANT EXPERIENCE

Data Analyst Engineer | Developer   *2022* – Current
Ford Motor Company   Lomas Verdes, México State

- Sequences Web Application Development (Django)
    o This application has two main tabs, one that generates different plots of trigger sequences, and the other shows all the plots that are related to the file the user inputs. In both cases the user enters a CSV file, and the application will homogenize and plot the different graphs according to the information in the file (This file has a specific structure that the Data Analytics engineers use).

- Web Scraping Python Application (Python)
    o Engineers use an outsource application called Aptiv, this application does not provide an API to extract information about the different vehicles there, so it was developed a web scraping tool that extract the information as a CSV and then in the same program, start polishing this data and feed a dashboard in Qlik Sense.

- Triggers Map Dashboard of Ford Fiesta (Python)
    o This project was an investigation on Ford Fiesta, to review how the problems on the vehicles where behaving before and after going to repair with the dealer, using Leaflet library (Folium in Python), to show case this behavior all along the states in North America

- Product Development Web Application (Dash – Flask)
    o This is a flask application connected to GCP and renders Plotly graphs according to the selection of filters that the user provides. So, every time the user clicks on

the apply button, the application will create queries on GCP, and return the information as Plotly graphs.

- Reject/Approve Weekly Analysis Application (Python)
    - Every week we run detections review which ones are valid and which ones aren't, this activity takes from 2 to 5 hours, depending on the quantity of detections, so to speed up and automate this task, it was built a local desktop application where the user is asked for some prompts and according to the entered prompts the application will perform if it is a valid detection or not. (There are some parameters or rubric that helps the app to detect if it is a valid application or no)

ADDITIONAL EXPERIENCE

Industrial Engineer   2019 – 2021
WMW Altamira   Altamira, Tamaulipas
- Excel Reports
- Quote Automation
    - Developed an Excel VBA program, to help the user to make quotations and have its own tab with useful tools, that he needs to create quotations.
- Creating Presentation:
    - Developing presentation in Canva and Power Point about customers, projects, and state of the company

Process Engineer (Internship)   2019 – 2019
Samsung SEM-P   Querétaro, Querétaro
- Process Engineer Intern.
- Analysis to reduce the takt time of operations in the workstations.
- Record of times and movements in Excel Worksheets.

PROJECTS

Nuevo León Elections | **https://github.com/RaulMaya/Nuevo_Leon_Elections** |
https://nuevoleon-elections.herokuapp.com/
- Explore Nuevo Leon's election results from 2021 and its evolution from past election to discover the main sociodemographic metrics effect over the people's voting preference.
- *Python, HTML, Flask, CSS, MongoDB, JavaScript, ETL*

ThermoFoods App | **https://github.com/RaulMaya/ThermoFood-App** |
https://raulmaya.github.io/ThermoFood-App/
- This project focuses on helping to select recipes according to the current weather. Using two APIs, one for recipes and the other for obtaining the current temperature.
- *JavaScript, CSS, HTML, TailwindCSS, APIs*

Weather App | **https://github.com/RaulMaya/Weather-Dashboard** |
https://raulmaya.github.io/Weather-Dashboard/
- This project consists in a building a weather dashboard using server-side APIs to populate the app, it also uses JavaScript and CSS to provide a polish user experience.
- *APIs, Fetch, JavaScript, HTML, CSS*

**Football Quiz | https://github.com/RaulMaya/Football-Quiz |
https://raulmaya.github.io/Football-Quiz/**
- This project consists of a 10 questions quiz about football that will even put to sweat to true fans of this sport. Try it and check how much you know about football.
- *JavaScript, CSS, HTML*

Tech Blog | https://github.com/RaulMaya/Tech-Blog | https://the-tech-shore.herokuapp.com/
- A tech blog application created with Sequelize, Express, and Handlebars.js can be used to allow users to create and manage their profiles, create posts related to technology, and comment on posts created by other users.
- *Node.js, Express.js, Handlebars.js, Sequelize.js, JavaScript.js, Bootstrap*

EDUCATION

***Coding Boot Camp Certificate:* ITESM**, México   November 2022 – May 2023
A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, JavaScript, jQuery, Bootstrap, Firebase, Node.js, MySQL, MongoDB, Express, Handelbars.js, and ReactJS.

***Data Analyst Boot Camp Certificate:* ITESM**, México   March 2021 – August 2021
A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.

***Industrial and Systems Engineer:* ITESM**, Tampico, Tamaulipas   August 2014 – May 2019

***High School:* ITESM**, Tampico, Tamaulipas   August 2011 – May 2014