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Top Skills

Big Data
Agile Methodologies
Python

Languages

Deutsch (Professional Working)
Inglés (Full Professional)
Español (Native or Bilingual)

Certifications

Qlik Sense Business Analyst
Qualification - February 2019
Release

Python
OneNote Quick Tips
Python for Data Science and AI
Managing Stress for Positive
Change

Publications

Numerical algorithm for electrical
impedance tomography problem
using Pseudoanalytic approach
New Characterization of an
Improved Numerical Method for
Solving the Electrical Impedance
Equation in the Plane: An Approach
from the Modern Pseudoanalytic
Function Theory
A Simplified Method for Numerically
Solving the Impedance Equation in
the Plane
A Simplified Method for Numerically
Solving the Impedance Equation in
the Plane
Sobre los Métodos Numéricos
Empleados en la Ecuación

César Marco Antonio Robles González

Certified Scrum Master | Vice-President Data & Analytics
Mexico City, Mexico

Summary

Being a Data Custodian and now a Data Platforms Tech Owner is remarkably interesting but complicated since those roles are closely related to Data Management and Governance. Most of the time, I am thinking of new ways to innovate and improve communication between the data foundations teams and data platforms and to understand the business procedures and needs.

Part of my activities are to coordinate, lead and innovate into Data Foundations Platforms' roadmap and to improve them to a self-service solution adopting DevOps practices and evolution to integrate Kubernetes and OpenShift.

The financial industry, nowadays, is under many changes due to the COVID-19 outbreak, and this will impact soon. Being the biggest problem at this moment, the integration of the new normal with technology and the home-office. In other words, how to go to digital transformation, agile frameworks and not suffering in the way. We are now in a big challenging and changing world and it is our must to adapt ourselves.

Learning is my passion and for that reason I am constantly improving and reinventing myself. Also, I love to play chess because it keeps my mind alert and thinking in the next move and respecting my adversary. But not everything is about war and destruction, I like to play collaborative online multiplayer video games with people from all over the world.

I am very organizing because it makes life easier. So, I integrate this part of my life to projects by integrating Agile Frameworks such as Scrum and Kanban. When I am not at work, I read and analyze sport data, because it is easy to implement data science analysis and have some fun predicting the scores based on the last games.

At the core I am a researcher and a family head who loves to have great moments with my family and my pets. Walking the dog and seeing how it interacts with other people and animals makes me have fun most of the time. Having some time looking at my cats playing around the house and watching funny cat's videos to try to imitate those. My wife is my rock and she helps me to find my way and she makes me do my best all the time.

Feel free to reach out to have a funny talk about the new normal, chatbots, machine learning, cloud computing or anything else; do not forget that we can get it together and thrive.

Specialties: Python, Data Science, Data Management Data Governance, Tableau, Qlik Sense, Alteryx, DevOps, Deep Learning, Machine Learning, Cloud Computing and Automation.

Experience

Citibanamex

1 year 3 months

Data Foundations Tech Owner

November 2021 - Present (1 year)

Mexico City, Mexico

- * Leading a team to design, create and tailored data platform to support Data Foundations Teams to deliver real-time data insights through analytics tools to be cost-efficient, scalable and secure.
- * Innovating into new data tools that improve, facilitate and widen Data Foundations Teams capabilities and tasks.
- * Improving the Data Foundations Teams attention regarding to new stuff, ideas and new ways on the data ingestion.
- * Coordinating a monitoring team to supervise processes, detect principal failures and issues posed into the Data Foundations Platforms environments.
- * Design metrics to illustrate the Data Foundations Platforms' behaviour and the attention to the incidents.
- * Conduce a team to optimize processes, and improve Data Foundations Platforms' services.
- * Planning strategy to migrate the current servers and services into microservices using OpenShift

* Leading a team to adopt and enhance their services based on the Data Management and Governance

Data Custodian Lead

August 2021 - November 2021 (4 months)

Mexico City, Mexico

- * Coordinate and facilitate support between business and technology stakeholders
- * Understanding the Data Policies and handling best practices for the data management
- * Helping the Data Foundations Teams to integrate their processes and to oversee the integration to the Data Management and business procedures.

HSBC

4 years 7 months

Global WPB Financial Manager

April 2020 - August 2021 (1 year 5 months)

Mexico City and United Kingdom

* Innovation Champion: Designing and coordinating new innovation projects in the America region.

* Data Scientist: leading and designing process to extract and cleaning data, developing machine and deep learning models, constructing dashboards in Qlik Sense and Tableau, defining new data quality rules and setting-up ETL processes to data consumption.

* Business Transformation: leading the adoption of the GCP Cloud and big data models.

+ AMG Automation: designing and leading automate processes to eliminate manual tasks.

+ Spreads Project: coordinating a local team under Scrum Framework to achieve the tasks and support the stakeholders decision making.

Global RBWM Financial Manager

February 2019 - April 2020 (1 year 3 months)

Mexico City and United Kingdom

* SCRUM Master: coordinating, supporting and implementing the SCRUM Framework to work within Financial projects.

* Data Science: Implementing and analyzing the data sources to correct issues.

- * Business Transformation Projects: Leading and coordinating projects to save time in the area.

- + Spreads project: project coordinated under SCRUM Framework. Designing a Qlik Sense Dashboard to display HSBC product information that supports the stakeholders decision making.

- + HSBC Investor Bot: leading a global project to create a Chatbot using the HSBC public information to support the Investors decision making.

- + CardBrand Bot: Coordinating and designing an automation tool to collect information from VISA, MasterCard and PROSA brands and help the stakeholders decision making.

- * Data Science Projects:

- + 24 Months Forecast Data Quality Project: Leading a global team to apply data quality rules and supporting the global teams to correct issues in the data bases. Designing a Qlik Sense Dashboard to displays the issues.

- * Mashup Projects (Web Developments): Supporting the global team and coordinating web phases to publish mashup that supports the global teams.

Specialist Consultant

February 2017 - February 2019 (2 years 1 month)

Mexico City

- * Data Science: leading projects and applying methodologies for the Data Quality, ETL processes, Machine Learning and Deep Learning Projects.

- * Leading Business Transformation projects:

- + Branch time motion study: Leading a team and designing a new methodology applied to the bank-branches.

- + Sherwood project: Analyzing, designing and implementing the HSBC-Group methodology to estimate the product prices.

- + Cost Management Unit project (CMU): Coordinating a visualization and Data Analytics team to implement the new methodology applied to the cost classification accounts.

- + Data Quality Analysis: implementing methodologies to analyse huge volume data and solve issues in the data.

- + Data Visualization projects: Leading visualization teams to create dynamic dashboards on Qlik Sense.

Instituto Politécnico Nacional

6 years 1 month

Phd Researcher Assistant

January 2016 - January 2017 (1 year 1 month)

Esime Culhuacan

- * Lead the Electrical Impedance Tomography project,
- * Supporting and assisting a Senior Researcher to review, wrote and graded journals.
- * Research about Data Science applied to Finance and forecasting the data.
- * Leading and coordinating Data Science Projects related to different projects on Artificial Intelligence and Machine Learning.

PHD Researcher

January 2012 - January 2016 (4 years 1 month)

ESIME Culhuacan

- * Data Science: Leading, applying and coordinating teams to develop projects in Mathematics, Physics, Statistics, Artificial Intelligence and Machine Learning.
- * Leading the Electrical Impedance Tomography project that implements different solutions to the direct and inverse problems. Many of the proposed solution includes the analysis of current trajectories using Artificial Intelligence, applied data analysis to the formal powers to approximate the solutions.
- * Wrote and participated in many different papers, journals and book chapters. International expositor with experienced in more than 15 congresses.

Researcher

January 2011 - December 2012 (2 years)

ESIME-Culhuacán y Universidad La Salle

- * Seismic Alert System Project (SAS): leading, coordinating and designing an Artificial Neural Network SAS to detect earthquakes that affect the Mexico-City. (IPN-CONAPRED-CIRES project)
- * Electrical Impedance Tomography project (EIT): leading and designing a new calculations forward problem using formal powers in unitary disk and complex domains.

Universidad La Salle, A.C.

2 years 8 months

Researcher

October 2009 - January 2012 (2 years 4 months)

Mexico City, Mexico

Masters in Science Student, Cybernetics Area.

* Leading the Electrical Impedance Tomography project (EIT): Designing and creating new hybrid algorithms based on artificial neural networks and genetic algorithms.

* Researcher: Proposing a novelty mathematics method to solve inverse problems in the science related to the EIT.

Servers

June 2009 - October 2009 (5 months)

Mexico City, Mexico

Security practices, Servers, Tandem central.

Asterisk, Linux/Unix

School practices and internship to learn and develop special projects for the Engineering faculty at Universidad La Salle

Accival

Junior Developer

October 2006 - March 2007 (6 months)

Mexico City Metropolitan Area

Java Junior Developer: Working in the Acci-trade project developing a tool for the investors to trade and check their investments.

Laboratorio de Computo de Ingenieria de la Universidad La Salle

Junior Developer

August 2005 - October 2006 (1 year 3 months)

Universidad La Salle

Visual Studio and Java Developer intern: Developing and working in several projects for La Salle University.

Education

Instituto Politécnico Nacional

Doctor of Philosophy - PhD, Communications and Electronics · (February 2012 - February 2016)

Universidad La Salle México

Masters in Science, Cybernetics Area, Cibernética · (2009 - 2011)

Universidad La Salle México

Bachelor's degree on Engineering, Bachelors degree in Cybernetics

Engineering and Computing Systems · (2004 - 2008)