

Carlos Geovany Perez Velazquez

Data Analyst

Contact Information

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Certifications:

- Scrum Developer Certification
- Big Data Technician Diploma
- MySQL databases with Java and PHP diploma

PROFESSIONAL SUMMARY:

Around 5 years of experience in data analysis, using advanced techniques in terms of programming & exploring and analyzing data across the enterprise and presenting information and key insights that supports the organization's strategies.

- Experience in designing, managing, developing and analyzing multiple large complex data models spanning multiple disparate sources.
- Basic SQL knowledge.
- Intermediate Python as the primary programming language.
- Report automation with python.
- Creation of dashboards with powerBI.
- Experience with algorithms like Linear Regression, Tree based models, Random Forest, etc.
- Providing insights through historical business analysis and forecasting of industry and major customer trends.
- Social network data mining through API connections.
- Working and analyzing complex data from various sources. Manipulate large data sets, data types, and data structures to complete statistical and other analyses.
- Performing statistical data analysis and building time series forecasting.
- Partnering with business analysts to gather requirements and translate to actionable scenarios and models.
- Working with various functions to document and communicate results of analyses, present work in clean, structured formats.
- Experience performing, data mining, and manipulation along with analytics, SQL in a RDBMS environment.
- Experience in AWS cloud computing platform, that includes various resources like EC2, load-balancing with ELB, launching EC2 instance, S3 for object static web pages and creating security groups, auto scaling, load balancer.

DevOps & Cloud Skills:

CI/CD	GitHub/Bitbucket, Maven, JIRA
Cloud Platforms	AWS, Azure
Operating Systems	Windows, Linux, CentOS, Ubuntu
Databases	SQL Server, MySQL
Scripting	Python, HTML, CSS, Javascript, PHP
SDLC	Agile, Scrum

PROFESSIONAL EXPERIENCE:

Client: INDRA, CDMX, Mexico

March 2022 - Current

Role: Big Data Analyst

Responsibilities:

- Interacting with cross-functional leaders across multiple and concurrent projects
- Enhancing data collection procedures to include information that is relevant for building analytic systems.
- Processing, cleansing, and verifying the integrity of data used for analysis
- JIRA for tracking and updating project defects and tasks ensuring the successful completion of tasks in sprint.
- Scala and apache spark big data analysis.
- RDD, DataFrames and Datasets manipulation.
- Data acquisition and manipulation.
- Understanding and experience working on Big Data Ecosystems: Hadoop, HDFS, Spark: pySpark, Jupyter & Zeppelin notebooks.

Environment: Scala, Office 365, Python, Google Sheets, Jenkins, GIT, Maven, Windows/Linux, IntelliJ, Jira, Bitbucket

Client: Unisys, CDMX, Mexico

June 2019 – July 2021

Role: Data Analyst

Responsibilities:

- Using a variety of data mining/data analysis methods and tools, building and implementing models, using/creating algorithms.
- Data exploration - Explore large data sets using a variety of tools to build reports.
- Creating data mining models, statistical reporting, and data analysis methodologies to identify trends in large data sets.
- Developed Python scripts to automate reports and processes.
- Trends and forecasting of customer conduct patterns.
- Power BI reports for managers and board directors.
- Meetings with managers and other internal staff to identify use cases, analytic needs and conceptualize methodologies for solving.
- Working on a wide range of datasets, including both structured and unstructured data.
- Customers survey sentiment analysis by Natural Language Processing and Topic Modeling.
- Task automation with Power Automate.
- Data Visualization with Plotly and Dash.
- Selection of a representative sample for the estimation in the databases
- Geospatial analysis with Python Folium maps.
- Data wrangling and exploratory data analysis with Databricks notebooks.
- Data acquisition from various sources like SQL, plain text files, csv files and others.
- Building reports to summarize analyses including various charts, graphs and other visualization to be understood by customers

Environment: Office, Python, RStudio, Google Docs, Azure, Data Bricks, Jupyter Notebooks, Power BI, Azure Data Studio, Azure Data Storage.

Client: Unisys, CDMX, Mexico

August 2015 – June 2019

Role: System Analyst

Responsibilities:

- Maintained the migration logs for every release and data accuracy and planned the next release schedules accordingly.
- Analyzes and evaluates user requirements, report requirements and system design problems.
- Trends of systems performance and deliver understandable reports to managers and directors.
- Defines controls, conversion procedures and system implementation plans including user training and orientation
- Made recommendations and developed technical design for new application features
- Followed internal procedures for change management, incident management and escalation.
- Automation processes.
- Providing system performance monitoring and troubleshooting.
- Building reports to summarize analyses including various charts, graphs and other visualization to be understood by customers.

Environment: MS Server 2015, Office, Python, Linux Red Hat.

Education:

- Ms Data Science from Instituto Tecnológico Autónomo de México (ITAM), Mexico. (current).
- Bachelor of Technology, Information and Systems from Universidad Autónoma Metropolitana (UAM), México.
- Bachelor of Sociology from Universidad Nacional Autónoma de México (UNAM), México