

Juan Garcia

Data Scientist | Software & IT Analyst | Project Manager

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PROFILE

Meticulous Data Scientist with more than two years of experience in dynamic technology settings, utilizing sophisticated data analysis, statistical modeling, and machine learning methods to provide data-centric business solutions. Well-versed in SQL, Python, R, and Tableau, with a strong capability in crafting meaningful data visualizations and overseeing real-time data products. Adept at establishing key performance indicators (KPIs) to inform business strategies and deriving actionable insights through exploratory data analysis (EDA). A driven professional with a passion for analytics and product development, demonstrating a solid track record of collaborating with diverse teams to influence strategic choices. Excited to contribute to data science projects at Houzz by offering insightful business analyses that boost revenue and enhance overall business performance.

JOB EXPERIENCE

Truper

Data Scientist | Project Manager | Commercial Supervisor

March 2022 – November 2024

In this position, oversight of critical water maintenance projects was conducted by leveraging data analysis to enhance operational effectiveness and guarantee adherence to national regulations. Working closely with leadership and diverse teams was crucial for recognizing and initiating strategic data projects focused on boosting performance growth. Important metrics were established to steer decision-making across different facets of the organization. Spearheaded cross-functional projects was also important, this involved maintenance, procurement, and production teams, applying data-informed approaches to improve results and refine processes.

Key Responsibilities & Achievements:

- Data Analysis: Employed statistical techniques and exploratory data analysis to create preventive maintenance programs, which cut downtime by 20%.
- SQL Management: Oversaw and queried datasets relating to chemical procurement and inventory control to enhance operational workflows
- Predictive Analytics: Developed forecasting models to predict chemical needs, ensuring smooth operations and adherence to quality standards
- Data Visualization & Reporting: Designed interactive dashboards in Tableau to track key performance indicators and share insights with stakeholders

- Collaborative Efforts: Worked alongside product, engineering, and sales teams to align key performance indicators and promote data-driven decision-making
- Process Enhancement: Introduced automation solutions to minimize manual tasks, resulting in a 15% boost in productivity.

MODASTAGE

Data Analyst Specialist | WWTP Maintenance supervisor

March 2019 – march 2022

In this position, data-driven initiatives for wastewater treatment operations were led, enhancing workflows and deploying analytical solutions to ensure adherence to environmental regulations. A crucial role in deriving data-informed insights by overseeing client accounts and examining user engagement statistics was carried out. Working in tandem with engineering teams was vital to clarify data collection requirements, which facilitated rapid product development and timely feature launches. Furthermore, Dashboards that delivered actionable insights for the sales and marketing departments were created while consistently pursuing process enhancements through the implementation of data-driven suggestions and effective resource management techniques.

Key Responsibilities & Achievements:

- Machine Learning Integration: Carried out exploratory data analysis (EDA) and established predictive models to foresee equipment malfunctions, consequently boosting operational uptime.
- SQL & Data Management: Designed and maintained SQL-based aggregation systems to optimize data extraction and reporting, enhancing operational visibility.
- Dashboard Development: Created visual reports with Tableau to track system performance, ensuring compliance with ISO and SEMARNAT regulations.
- Inventory Management: Enhanced warehouse operations by utilizing comprehensive reporting and data-informed procurement strategies.
- Cross-Team Collaboration: Collaborated closely with production and quality assurance teams to guarantee smooth integration of analytics within operational workflows, leading to a 35% decrease in non-conformities.

ALRETECH (Internship)

October 2018 – january 2019

Entry level Data Entry | Production supervisor assistant

In this position, assistance was extended to production activities by incorporating data science strategies aimed at streamlining workflows and enhancing quality control throughout the aluminum manufacturing process. Support was also provided in crafting training resources centered around optimal practices for the staff, as well as aiding the sales team with technical documentation during the request for proposal (RFP) phases. This experience cultivated robust communication skills and a more profound comprehension of customer requirements, thereby boosting the overall effectiveness of both production and sales efforts.

Key Responsibilities & Achievements:

- Enhancing Processes: Executed improvements in processes informed by exploratory data analysis (EDA), resulting in a 15% rise in production efficiency.
- Forecasting Needs: Created predictive models to anticipate production requirements, leading to a 20% reduction in waste.
- Data Management & Reporting: Oversaw data entry tasks and generated reports to monitor operational performance and ensure adherence to industry regulations.

EDUCATION

Professional Certificate in Cybersecurity

Google

Bachelor's Degree in Industrial Chemical Engineering

TecNM

Specialty in Sustainable Chemical Processes

TecNM

Skills

Cloud Platforms: Experienced with Hadoop and Spark, along with a background in using data warehouses.

Collaboration & Communication: Strong interpersonal abilities, with a track record of collaborating closely with leadership, engineering, and product teams.

Data Analysis & Visualization: Expertise in exploratory data analysis (EDA), developing dashboards, and representing insights visually.

Data Visualization Tools: Experienced in Tableau and adept at advanced statistical modeling; knowledgeable in tools such as Presto and Hive.

Databases: Knowledgeable in SQL Server and Oracle, with an understanding of big data technologies.

Experimental Design: Able to design experiments and evaluate outcomes for refining products.

Interpersonal Skills: Excellent at communication, fostering cross-functional collaboration, and solving problems independently.

KPI Development: Skilled in identifying and monitoring essential business indicators to inform strategic decisions.

Machine Learning Models: Competent in creating and implementing predictive models utilizing both supervised and unsupervised learning approaches, including A/B testing methodologies.

MLOps: Knowledgeable about deploying models in production, monitoring their performance, and understanding the Software Development Life Cycle (SDLC).

MS Office Suite: Proficient in using Word, Excel, and PowerPoint.

Programming Languages: Proficient in Python, R, and SQL, along with a solid understanding of popular libraries like Pandas and NumPy.

OTHER INTEREST INFO

Professional Development: Like learning and applying new technologies and methodologies in dynamic environments, one will continuously improve and grow.

Soft Skills: Strong communication of complex data concepts to non-technical audiences.

Technical Skills: Proficient in Data Analytics and Visualization, Statistics and Probability, Database

Management Systems, and Machine Learning Principles. Knowledgeable in Financial Analytics-
throughout, depending on major.

Valid B2 Tourist Visa that will grant me easy and timely travel to the United States if needed. This
is going to ease the first steps toward a work visa by allowing personal meetings and interviews,
smoothing the transition toward a working visa, if needed.