

# GUILHERME MELO MARZANO

## Data Analyst

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My career has been developed as Engineer, working with system implementations and controls, technical support, direct contact with internal and external customers, data analysis, process automation, development of indicators, metrics and BI projects involving manipulation of large volume of information, infrastructure, statistical techniques. Graduated in Electronic Engineering, MBA courses in Business Analytics and Big Data and Project Management in progress.

**Knowledge:** Alteryx (Designer Core Certificated and Designer Advanced Certificated), Tableau , Power BI, Google DataStudio (Certificated)Domain of Excel (VBA/Macros); Visual Basic, C, C#, Database SQL, R, Python

**Languages:** Advanced English and native Portuguese.

I am a professional with a technical, analytical, and result-oriented profile, therefore, I coordinate tasks prioritizing according to the objectives, which allows me to support the teams in the execution of projects with assertiveness. Developed critical thinking for problem solving by creating hypotheses and performing tests to identify root cause and propose definitive solutions.

### PROFESSIONAL SKILLS

- Development and analysis of company processes to promote improvement in tasks and better efficiency of work;
- Development of automated excel sheet, for data input, and management report design using power BI;
- Handling a large volume of information from different sources and different formats;
- Infrastructure knowledge of relational, non-relational data and Big Data;
- Knowledge of statistical data techniques such as logistic regression, correlation analysis, data modeling;
- Knowledge of predictive models such as random forest, boosting and decision trees;
- Knowledge in development application for data base access and user interface;
- Knowledge of relational database infrastructure;
- Knowledge in technologies for information management, data processing processes and Big data;
- Project report documentation ensuring accuracy and desired format;
- Handling historical data, preparing reports for data visualization;
- Creation and maintenance of data extraction, transformation and loading routines;
- Interface between the business areas, supporting the data insertion and manipulation;
- Support and guidance to the business areas to define management reports;
- Structuring of databases for analytical purposes by joining and processing different databases;

### EDUCATION

- **Project management** – Conquer start Jun/2022 in progress
- **Executive MBA in Business Analytics and Big Data** – FGV (2022)
- **Electronic engineer** – PUC(Pontificia Universidade Católica) MG(2010)
- Technology Languages: Python,R, SQL, Visual Basic, C, C#, Excel (VBA);
- Google DataStudio – Introduction to Data Studio Certificate;
- Alteryx – Alteryx Designer Core Certificated and Designer Advanced certificated;
- BI: Tableau, Power BI, Advanced Excel (VBA/ Macro).

## WORK EXPERIENCE

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### **MT2 Data**

Data analyst – February 2023 – present

- Data manipulation and preparation using SQL queries, Python and Alteryx;
- Data visualization using power BI, building dash board to support business team in customer presentation according to the team requirements
- Development of automated process of data synchronization using C#

#### *Projects / Results*

- Organized the data for a customer product using python and create a dash board in power BI to support company and customer in the decision.
- Actual project, developing in C# an application to synchronized only the customer data from company's Azure storage file share system, to customer's azure blob container. Application read Json configuration file that gives information of what is the system from source and destination storage system, and it is been development using interfaces to process the connection in the data lakes, to make it easy to add more technology if needed in the future.

### **Consultancy**

Data Consultant – June 2021 –December 2021

- Automation of ETL processes excel macros, and google sheets;
- Data visualization using Power BI, and Google DataStudio;

#### *Projects / Results*

- Structuring the existing data, optimizing the way of new data insertion, elaboration of dashboard for analysis of historical data and evaluation of improvements, identifying a significant loss in business, project carried out in Excel and Power BI;
- Migration of the data structure for could service using google Drive, google Sheets and google Data Studio;
- Calculation of finance indicators and metrics for investors. Operation training for continued use of the implemented system.

### **AVL South America**

Application Engineer – June 2013 – March 2023

Electronic Technician – June 2008 – June 2013

#### *Projects / Results*

- Process improvement: Integration of an old database into another already structured, development a application in Alteryx to clean and organize the data and consolidation of all information in a single base. Preparation of power BI dashboard. Resulting in the reduction of service hour valuation of the technical staff from 10 days to 10 minutes;
  - Project monitoring through the creation of control in Power BI resulting in greater effectiveness of data demonstration and identifying inconsistencies between budgeted and realized, allowing the necessary corrections;
  - Alteryx project to organize customer service demand in a time series and using machine learning process to forecast the demand for the next year;
  - Develop user guide application in C# to make interface with an emission device making easier to get the results in excel, this met the customer's demand, which resulted in the sale of the equipment and a project with a significant value for the company.
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## INTERNATIONAL WORK EXPERIENCE

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**AVL Japan** – Resident Engineer during 9 months for development of process, tech center system startup and operators training.

### **Rolls Royce EUA**

Resident as Application Engineer – 3 months 2021 and 3 months in 2022

- Tasks time monitoring using an application in mobile, export the result in CSV file, data treatment and organization in a sheet, development of Power BI dashboard to present to customer, and from data analysis retrieve important information related to improve activities and efficiency to the tasks.
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