



# Jesid Mauricio Mejía Castro

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*Computer and Systems Engineer*

*I am a professional from the National University of Colombia with an ongoing master's degree in engineering and data analytics from the University of Bogotá Jorge Tadeo Lozano.*

*I have experience working with financial services companies and analytics agencies. My 4 years of experience encompass the usage of database tools like Oracle and SQL Server Databases, ETL development tools like Infosphere DataStage, Integration Services. Recently, I have been getting involved with The Spark ecosystem through Databricks and PySpark. My programming skills are linked with languages like Python and R. In my free time I experiment with Unix-like operating systems, the programming languages Rust, Go and Julia (still at beginner level) and free software.*

*I keep an obsessive learning spirit and I like to promote technical excellence and best practices in the final products. I'm very compromised with honesty and ethics in the workplace.*

## Personal data

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Age 30

## Education

- 2010–2017 **Bachelor's degree in Computer and Systems Engineering**,  
*Universidad Nacional de Colombia, Sede Bogotá.*
- 2020–2021 **Master's degree in engineering and data analytics**, *University of Bogotá Jorge Tadeo Lozano, Bogotá.*  
Ongoing

## Experiencia Laboral

- 2016 – 2017 **Intern**, *Enel Codensa E.S.P.*



In this public service company I completed my internship with the Customer Ombudsman Office. My responsibilities were the introduction of new adjustments to the local database, the calculation and presentation KPIs, among others *in-house* developments, mainly with MS Access and VBA.

2018 – 2020 **Data Analyst - Data Engineer**, *Banco de Bogotá S.A.*.



Between 2018 and 2019 I worked with the Loans Division of the bank making new developments with the local database system (MS SQL Server 2012) and building reports (mainly in Excel) aimed to support the operation of credit studies for the bank customers. Between mid-2019 and early 2021 I worked in the Governance and Data Quality Office developing ETLs with IBM DataStage and Oracle PL/SQL through an on-premise data warehouse. My responsibilities were the measuring of the data quality from multiple transactional systems of the organization.

2021 **Data Warehouse Professional**, *Credivalores S.A.*.



Between February 2021 and May 2021 I worked in the Data Warehouse Department of this financial services company developing the information requirements of the other departments. Each member of the team received the initial requirements and our responsibility was to develop them from start to finish, from analysis and design to presentation of indicators and tests. SQL Server 2017 was used for the storage, while Integration Services was used as the ETL tool, Power BI was the visualization solution (it was a Microsoft-oriented environment). The Kimball data warehousing practices were heavily used during this period.

2021 **Junior Data Engineer**, *Ágata S.A.S.*



Since June 2021 I have been working at Data Analytics Agency (Ágata) created as an initiative of the Capital District and meant to be the catalyst for the development of a *smart city* in Bogotá. I briefly played the role of data quality manager (2 months) in this company. Later I was promoted to the position of Junior Data Engineer. My work at the Agency consists of preparing the data for the different projects that the Agency begins to contract with the various entities of the district. My activities include data profiling, data cleaning, data pipeline design and implementation and ETL development, dimensional analysis, data quality measurements, my main responsibility here is to deliver clean, useful and high-quality data to the data scientist of the company. different analytical requirements. All of the above must be done under the data governance guidelines defined by the Agency. Considering itself as a *cloud-agnostic* organization, the Agency uses different clouds, specifically: Microsoft Azure, Google Cloud Platform and Amazon Web Services. In my particular case, I worked with Azure components (Azure Data Factory and Azure Databricks) and to a lesser extent, with some GCP components (BigQuery, Dataflow, etc.).

## Skills

Oracle	Modeling, DDL, DML and PL/SQL	SQL Server	Modeling, DDL, DML and T-SQL
IBM	Design and implementation of ETLs	SQL Server	ETL Development
Infosphere		Integration	
DataStage		Services	

Python	General purpose programming. Data analysis and processing with PySpark and Pandas. Data visualization with matplotlib, among other packages modules	R	Basic programming, descriptive statistics, linear regression models.
Git	Collaborative work, experience with GitFlow	GNU/Linux	General administration tasks, familiarity with bash.