

# **Matheus Brizolla de Carvalho Tosetto**

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## Summary

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Data professional with over 10 years of experience across the healthcare, banking, big tech, and insurance industries. Skilled in designing and optimizing data pipelines, automating ETL processes, and maintaining scalable cloud architectures. Adept at transforming complex datasets into actionable insights that improve efficiency and business outcomes. Highly collaborative, adaptable, and passionate about solving real-world problems through data-driven solutions.

## Experience

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### **AXA, Dublin - Ireland**

**Data Engineer** **Aug 2023 - Present**

- Partnered with a Data Scientist to build a GenAI-powered application for Claims Handlers, improving document summarization and chatbot-based query capabilities. Project ongoing.
- Partnered with a Data Scientist to build an MLOps pipeline automating model training and inference, enabling early claim settlements and delivering significant cost savings.
- Designed and deployed automated data pipelines to support actuarial analytics and reporting.

**Tech Stack:** Python, Azure, MLOps, SQL Server, DevOps

### **Huawei, Dublin - Ireland**

**Data Analyst** **Sep 2022 - Jul 2023**

- Increased downloads for three gaming applications by 12% after analyzing and redirecting advertisements to audiences with a higher propensity for the subject matter;
- Developed a Python automation script to monitor 30+ daily processes, sending metrics used in an internal performance report created in FineBI (similar to Tableau);
- Collaborated with SRE teams in Germany on the migration of 50+ processes to servers in Ireland, resulting in improved process performance.

**Tech Stack:** Linux, Microsoft Office 365, Python, Hadoop Ecosystem (Hive, Beeline), FineBI, Draw.io, GitLab.

## **Itaú Unibanco S.A, São Paulo - Brazil**

**Data Engineer** **Feb 2021 - Apr 2022**

- Developed a Python-based partner rewards system integrating data from 5 sources, boosting brand marketing performance by 5%;
- Collaborated with 4 Data Engineers to modernize data infrastructure by migrating to AWS, building services with S3, Redshift, and Glue, and executing initial data uploads;
- Modernized 5 legacy pipelines built in IBM DataStage to Hadoop, in preparation for migrating all on-premises data from the department to the AWS data lake.

**Data Analyst** **Aug 2018 - Jan 2021**

- Migrated the card inventory process from Hadoop to SQL Server, reducing execution time from 2 hours to 15 minutes;
- Identified and implemented a process optimization in card production using Python, reducing ink usage and saving R\$2M (~\$400K) per month;
- Improved customer contact success by 15% through Python-based analysis of email quality and collaboration with the call center.

**Tech Stack:** Linux, Microsoft Office 365, SAS, IBM Maximo, SQL Server Management Studio (SSMS), SQL Server Integration Services (SSIS), Python, Tableau, IBM Datastage, Draw.io, GitLab, JIRA, AWS Tools (S3, RDS, Lambda, Glue), Hadoop Ecosystem (Hive, Impala).

## **Education**

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**Universidade de São Paulo (USP/ESALQ)**, São Paulo – Brazil

- MBA in Data Science and Analytics

**In progress –**

**Expected Feb 2025)**

**Universidade Presbiteriana Mackenzie**, São Paulo - Brazil

**Jan 2014 - Nov 2018**

- Bachelor's in Information Systems

## **Certificates**

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- Apache Airflow Fundamentals
- DataExpert: Data Engineer Bootcamp
- Microsoft: Azure Data Engineer Associate
- Databricks Lakehouse Fundamental
- Data Warehouse AWS

**Feb 2025**

**Jan 2025**

**Sep 2024**

**Sep 2022**

**Jun 2021**

## **Languages**

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- Portuguese - Native
- English - Professional working proficiency