Marcelo Giacometti

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Presentation

As an engineer, I am passionate about learning, teaching and creating.
I have a solid foundation in Python and SQL and have sharpened my skills through developing and managing a range of applications, from the concept to spearheading product development and global implementation.
I seek the opportunity to embrace new challenges, grow with the company and contribute.

Experience

Sr Software Engineer & Tech Lead at Gateware, allocated to AB InBev, Florianópolis - Brazil
August 2024 - Present (1 year 11 months)

- Led the development and evolution of AB InBev's Global Data Quality framework, built with Python and PySpark, currently monitoring tens of thousands of tables worldwide.
- Designed and implemented core platform capabilities, including Inflight, Smart YAML Authoring, Data Quality Over Time, Expectation Inference, and ML-based Data Drift detection.
- Delivered two major performance initiatives that improved runtime by 30% each, reducing Databricks compute costs through Python, SQL, and PySpark optimizations.
- Instrumented end-to-end observability with DataDog, focusing on application events and enabling the team to proactively identify issues before they were reported by users.
- Collaborated with Product and Architecture teams to ensure technical designs met strategic business goals, driving continuous product and platform enhancements.
- Mentored a cross-functional team, fostering a culture of clean code, continuous improvement, and on-time delivery through Agile and Scrum practices.

Sr Data Engineer at DoorDash, Florianópolis - Brazil
December 2023 - July 2024 (8 months)

- Designed, implemented, and maintained data pipelines using Apache Airflow, Snowflake, Python, and SQL.
- Solved production pipeline issues through deep investigation, SQL debugging, and Python-based analysis.

Analytics Engineer at Quinto Andar, Florianópolis - Brazil
December 2021 - November 2023 (2 years)

- Led the development of a Segmentation Product, which converted more than five thousand leads per month and generated more than 10 million reals in monthly revenue.
- Designed and managed the implementation of the entire system, including Strategic Planning, Project Execution, Database Modeling, Performance Optimization, and ETL creation with Databricks and PySpark.

Data Analyst at Spinver, Florianópolis - Brazil
December 2018 - November 2021 (3 years)

- Designed and developed the Database Modeling with MySQL ensuring infrastructure scalability through Docker.
- Conducted the creation of various crawlers to scrape more than 1 million records per day from various websites.
- Led the design and development of ETL pipelines using Python, ensuring efficient data flow for the company.
- Led and designed a machine learning classification project using Scikit-learn, SpaCy, and other technologies.

Data Analyst Intern at Spinver, Florianópolis - Brazil
December 2017 - November 2018 (1 year)

- Generated comprehensive dashboards and reports for the team, supervisor, and clients, aiding in data-driven decision-making.
- Played a fundamental role in the development of the team, including recruitment, training and leadership.

Education

Bachelor of Technology in Systems Analysis and Development at Cesusc, Florianópolis - Brazil
January 2024 - December 2026

- Developed a full-stack web application for password management using Django, Python, HTML, CSS, and JavaScript.
- Implemented Docker-based deployment, user authentication, encrypted data storage, and an intuitive user interface.

Languages

Portuguese (Native)
English (C1)