

Curriculum Vitae

Rafael Silva

[Email](#) / [GitHub](#) / [LinkedIn](#) / [Website](#)

Employment

BI4ALL

Data Engineer/Cloud Architect | May 2022 - present

- Developed and designed an internal GCP big data framework in order to standardize and streamline processes in Google Cloud Platform projects.
- Consulting for Companies such as EDP, J&J, SECIL and Servier in Data Engineering projects

e.g.: Spearheaded the automation of summarising telephone conversations. We achieved a significant cost reduction, bringing the cost of summarising each phone call to just 20 cents—over a 95% savings. [More details](#).

Main Stack: Python, SQL, Linux, GCP (BigQuery, CloudRun, Composer, Dataflow, VectorDB, etc.), Git, CI/CD, ...

Engineering Ingegneria Informatica Spa

Data Engineer | Jan 2021 - Apr 2022

- Designed and built an Data Product that reduced by ~70% the manual process for digitizing, computing and storing documents for some legal teams in two big companies.
- Designed and implemented near real time data pipelines to process different e-commerce, and physical stores data from multiple sources.

- Worked closely with data science teams to help build internal data science workflows.

Main Stack: Python, SQL, Linux, AWS (DynamoDB, Compute, Kinesis, Lambda, etc.), GCP (BigQuery, CloudRun, Composer, Dataflow, VectorDB, etc.), Git, CI/CD, ...

Vallourec

Data Engineer Intern | Feb 2020 - Jan 2021

- Development and maintenance of Shiny tools capable of delivering reports and statistical models according to the demands of each area of the company's various specialized plants.

Main Stack: Python, R, SQL, Linux, Git, CI/CD, AWS, ...

Oper

Data Scientist Intern | Feb 2019 - Feb 2020

- Development of statistical solutions from structuring, analyzing and modeling data to delivering Shiny applications.

Main Stack: R, SQL, Linux, Git, CI/CD, ...

Education

B.S in Statistics, Federal University of Minas Gerais (UFMG)

Honors and Awards

1st Brazilian Congress of Clinical Evidence at COVID-19 - (2021) : 1st Place

- Work presented at the 1st Brazilian Congress of Clinical Evidence at COVID-19, showing how the proposed score has shown excellent results compared to other existing ones and how it is simple to use and easy to interpret.
 - [abc-score](#)
 - [mmcd-score](#)

Publications (co-author)

1. [Development and validation of the MMCD score to predict kidney replacement therapy in COVID-19 patients](#)
2. [Predictors of venous thromboembolism in COVID-19 patients: results of the COVID-19 Brazilian Registry](#)
3. [Chagas disease and SARS-CoV-2 coinfection does not lead to worse in-hospital outcomes](#)
4. [ABC2-SPH risk score for in-hospital mortality in COVID-19 patients: development, external validation and comparison with other available scores](#)

Technical Degree, Eletronics Technology Federal Center for Technological Education of Minas Gerais (CEFET-MG)

Honors and Awards

XXIII META (CEFET-MG, 2013): 2nd Place - Control of parking spaces

- We developed a protoboard circuit capable of controlling parking spaces, using only logic gates/Boolean algebra. Our project also became classroom material for the laboratories of the digital electronics discipline.

Contributions

1. [abc2sph](#)
2. [mmcd](#)
3. [Google Cloud - Dataproc Templates](#)
4. [solar - low tech magazine](#)
5. [ggcharts](#)