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| Utrecht, Netherlands [Linkedin](https://www.linkedin.com/in/sergiorgiraldo/) | Sérgio Giraldo | *mobile: contact me* sergio@giraldo.com.br |

## I am a proven hands-on leader, coaching and mentoring teams to their highest performance level, using agile and lean approaches, in close collaboration with stakeholders. On top of that, I have more than 25 years of experience in software engineering and software architecture, working in solutions end to end and I have been using data insights to guide projects and shape decisions successfully.

## Work Experience

**IT Lead ING** **Jan 2020 - Present**

Data Foundation team Amsterdam, Netherlands

* Leading area with 90+ engineers, responsible to provide finance and risk data for business areas;
* Implementation of Datawarehouse hosting Finance and Risk data from all countries where ING operates. First project in the bank using a 100% public cloud solution on Microsoft Azure. The DW uses Azure CosmosDB Cluster for storage, Apache Airflow for orchestration and PowerBI for visualization. Ingestion of data uses a hybrid solution, some use cases with Python+Kafka, others use IBM DataStage. Everything in the project relies on continuous integration and continuous delivery, leveraged by Terraform scripts;
* Implementation of data integration platform for the Finance and Risk domain. First platform in the bank 100% open source based (Python + Docker + Swarm + KeyDB + Kafka + Elastic + Kibana). Platform does not have scheduling; it is an event driven OLRT solution;
* Technical leadership of major initiatives, including architectural and design decisions, choice of platform/vendor/tools and even PR reviews for some deployments;
* Managerial activities including budget control, compliance, audits, tactical & strategic roadmaps, people management (internal and offshore strategies) and career guidance.

**IT Lead PagBank** **2017 - 2019**

Data Science team São Paulo, Brazil

* Leading area with 10 data scientists, responsible to provide data models and data insights for all business areas of the company, in a fast-paced hyper-growth environment. First team in the company using data science and machine learning using data for decision making;
* Coach the team regarding data science, deep learning and machine learning issues (algorithms, programming (R, Python, SQL), business modelling);
* Responsible to determine first clients eligible to open an account in the PagBank, analyzing their cash flow and sales trends; reduced the time to solve disputes in backoffice area by 60% using semantic analysis; at logistics, reduced by 150K BRL/month the cost of sending paper roll to our vendors, by means of logistic regression with L1 regularization; improved the accuracy from our chatbot to 87% implementing word2vec algorithms.

**Tech Leader Globant** **2015 - 2016**

São Paulo, Brazil

* Helped Brazilian companies, leaders in their segments (Totvs, Embraer, Qualicorp), to deliver software projects using agile, data driven insights and best development practices, acting as a consultant.

**Development Manager HSBC**  **2014 - 2015**

São Paulo, Brazil

* Redesign of Global Markets Backoffice area for a straight-trough process system without intervention.

**Software Architect and Tech Leader Itaú**  **2014 - 2015**

São Paulo, Brazil

* Redesign of Market Risk platform to support Basel II requirements.

## Language, Technologies, and Methodologies

* Languages
  + Portuguese - fluent
  + English – fluent
  + Spanish – business proficiency
  + Dutch – limited proficiency
* Technologies
  + Programming: C#, Java, Rust, Python, R, PHP, Javascript, SQL
  + Databases: SQLServer, PostgresQL, MySQL, NoSQL (MongoDB, KeyDB)
  + Cloud: Azure, AWS, Terraform
* Methodologies
  + Agile
  + Lean
  + Kanban
  + Design Thinking
  + C4

## Education and Certifications

* **M.Sc. Software Architecture,** University of São Paulo (USP). **2018**
* **Specialization, Risk Management,** BM&FBOVESPA Institute **2013**
* **B.Sc. Physics,** University of São Paulo (USP). **2005**
* **PMI – Agile Certified Practitioner**
* **Professional Scrum Master**
* **Azure Fundamentals & Data**

## Interests

* Squash;
* Self-hosting;
* Comic books, I’ve been reading superheroes since my 7’s.