



RAFAEL ANTONIO BELOKUROWS

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ABOUT ME

Always looking to contribute, learn and improve. I bring years of experience in SQL, Machine Learning, Time Series Forecasting, R programming (tidyverse, ggplot, tidymodels), Python programming (Pandas, sklearn), Power BI, ETL/ELT, Microsoft BI tool stack (SSIS, SSAS, SSRS), Agile Methodologies among other skills.

Recent projects:

[NestedForecasting](#): forecasting multiple time series at once and showing individual and aggregated results - powered by R (Shiny, tidymodels)

[JobMatcher](#): helping job seekers find out how their CVs match with job ads through NLP - powered by R (Shiny, tidytext)

EDUCATION AND TRAINING

09/2019 – 09/2021 – Porto, Portugal

Master's in Data Science

Faculty of Sciences - University of Porto

01/2007 – 12/2011 – Pato Branco, Brazil

Bachelor's in Computer Science

Universidade Tecnológica Federal do Parana

WORK EXPERIENCE

09/2021 – CURRENT – Porto, Portugal

Business Intelligence Analyst

Minsait (Indra)

Developing and maintaining end-to-end analytics projects using Microsoft BI tool stack to provide valuable information to cross-functional stakeholders on clients from different fields: public management, environmental, finance, etc.

- Data integration and transformation with SQL Server and SSIS
- Multidimensional and Tabular Analysis with SSAS
- Data visualization with Power BI Desktop and Power BI Report Server

09/2020 – 08/2021 – Porto, Portugal

Msc Student Researcher

Universidade do Porto

Conducting study for Master's thesis in the Central Office of the university (Reitoria da UP): "Predictive analysis of academic success at Universidade do Porto" with Machine Learning methods using R, Python, SQL, and data visualization tools.

- Analyzing 10 years of student data to determine the main factors for academic insuccess and dropout in the university.
- Developing and deploying predictive models to identify at-risk students with on-demand predictions through REST API calls.
- Discussing the relation between interpretability and performance of Machine Learning Models.
- Presenting bi-weekly progress reports on findings and predictive performance of the models.

07/2018 – 09/2019

Product Owner

CISS Software e Serviços

- Obtaining data from IBM DB2 databases and additional sources with Pentaho ETL and storing it in a Star schema multidimensional structure;

- Creating dashboards in Power BI to help users find patterns in their sales, payables, receivables, and acquisition processes based on historical data;
- Describing functional and technical requirements with User stories with specific acceptance criteria and test-case scenarios;
- Prioritizing and maintaining Product and Sprint Backlog according to client's needs and company's strategic direction;
- Conducting Scrum meetings with Dev team and stakeholders;

08/2017 – 07/2018

ITIL Management Analyst

CISS Software e Serviços

Management of IT services within ITIL best practices.

- Providing business and/or technical consultation in critical Incidents, Problems, and Changes;
- Monitoring KPIs on help desk processes and suggesting actions to ensure continuous improvement to the software and delivery processes;
- Part of the Customer Success team providing technical consultancy and performing Root Cause Analysis to help solve challenging technical issues that affected the functioning of the company's main solutions.

10/2009 – 07/2017

Technical Application Support

CISS Software e Serviços

Support and Implementation of ERP, POS, and CRM applications

- Installed, configured, and implemented ERP, POS, and CRM applications on-site on some of the biggest Brazilian retail chains.
- Provided top-level quality support over the phone, live chat, or in-person.
- Supervised Tier 1 Help Desk Analysts, assisting with technical difficulties and dealing with ticket management and escalation;

JOB-RELATED SKILLS

Skills

Data Science:

- Statistical Analysis: training, fitting, and evaluating Machine Learning models for Classification, Regression, and Clustering tasks.
- Data wrangling and preparation: normalization, log-transformation, handling missing values, outlier detection, Feature Engineering.
- Time Series Analysis and Forecasting with traditional and ML methods.
- Other algorithms and techniques: NLP, Recommender Systems.
- Big data analysis with Spark in Python and R.

Tools:

- Microsoft BI tool stack: SSIS, SSAS, SSRS, DAX, MDX queries
- Intermediate R: Tidyverse, Ggplot2, purrr, caret, Shiny.
- Intermediate SQL: Data Transformation, Aggregation, Analysis, and Reporting in MS SQL Server, IBM DB2 and Postgres databases.
- Basic/Intermediate Power BI: Transformations in Power Query, Reporting, and DAX language.
- Basic Python: NumPy, Pandas, Matplotlib, Scikit-learn, pyspark.
- Intermediate Excel: Pivot Tables, Conditional and lookup operations
- Experience with other visualization tools: Google Data Studio, Metabase.
- ETL/ELT: Pentaho, SSIS.
- Software development collaboration tools: Jira, IBM Jazz.

Certifications: ITIL Foundation, EXIN Agile Scrum, Scrum Fundamentals, Comptia A+ and Six Sigma Yellow Belt.