

Julio BATISTA SILVA

Full version: juliobs.com/cv

PERSONAL DATA

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WORK EXPERIENCE

Oct 2022 – Mar 2023

Data Engineer at [FELD M](#) – Munich, Germany

Designed and implemented data warehousing, ETL and analytics systems for clients in various industries.

Main projects:

1. Conception and implementation of a multicloud architecture for marketing analysis in a retail company.
 - Main technologies: Airbyte Cloud, Azure Synapse Analytics, BigQuery, Dataform.
2. Product management and development of the [Datacraft Analytics Stack](#), an open source project to easily set up a pipeline for reporting and analytics.
 - Main technologies: Docker, Terraform, Airbyte, dbt, Metabase, PostgreSQL, Snowplow.
3. Data synchronization between FELD M's CRM tools.
 - Main technologies: Python, HubSpot, easyJOB.

Oct 2021 – Sep 2022

Senior Backend Developer at [IIB Institut](#) – Berlin, Germany

Software development and data processing.

Responsible for creating and maintaining data pipelines in Airflow, integrating systems and APIs and developing solutions to improve the quality of data used in real estate intelligence reports produced by the company.

- Main technologies: Python, Apache Airflow, PostgreSQL, AWS, Kubernetes, GitLab, FastAPI.

Oct 2017 – Oct 2021

IT and business consultant at [Visagio Technology](#) – São Paulo, Brazil

I managed and implemented projects for companies in the oil and gas, energy, mining and financial market sectors. I also worked on internal initiatives such as talent acquisition, corporate university, event organization and product development.

Main projects:

1. Implementation of a BI and analytics architecture in the cloud, creation of ETLs and management reports for a mining company.
 - Technologies: Azure (Data Lake, Synapse Analytics, DevOps, Analysis Services, Data Factory, Machine Learning Studio), Databricks, Informatica PowerCenter, Tableau, SAP.
2. Remote work for a mining company in Australia. Worked in data preparation and processing for input in a simulation model and also built a website for visualization.
 - Technologies: Python, Pandas, Flask, Angular.
3. Infrastructure setup, automation workflows development, dashboard creation and helping with tech employee hiring for an investment company.
 - Technologies: Apache Airflow, Docker, Selenium, Pandas, Power BI.
4. Robotic Process Automation (RPA) for a multinational energy company.
 - Technologies: Blue Prism, C#, SharePoint, Power Apps, SAP, Python.

Aug 2016 – Sep 2017

Software Developer at [Monitora Soluções Tecnológicas](#) – São Carlos, Brazil

iOS mobile developer.

I was part of a multinational team for the development of a business aviation company mobile application.

- Main technologies: Objective-C, Swift, Git, Jira.

Mar 2016 – Dec 2016

German teacher at [University of São Paulo](#) – São Carlos, Brazil

Taught [courses](#) about the German language (A1 level) and culture as a volunteer.

FEB 2013 – FEB 2017

[URI Online Judge](#) Forum Moderator

Moderated the *Data Structures and Libraries* section at the [URI Online Judge Forum](#) as a volunteer.

MAR 2011 – JUL 2011

Paid Mentoring at [Federal University of São Carlos](#) - São Carlos, Brazil

Mentored students on the *Introduction to programming and databases* class and assisted the teacher. 192h

EDUCATION

MAR 2011 – JUL 2018	Bachelor of Science in COMPUTER ENGINEERING Federal University of São Carlos – São Carlos, Brazil. - Main classes: Linear Algebra, Analytic Geometry, Calculus, Statistics, Physics, Solid Mechanics, Transport Phenomena, Computational Logic, Algorithms, Data Structures, Graph Theory, Databases, Programming Language Paradigms, Software Engineering, Web Development, Computer Graphics, Artificial Intelligence, Automata Theory, Computer Networks, Distributed Systems, Computer Architecture, Operating Systems, Electric and Electronic Circuits, Microcontrollers, Control and Servomechanisms, Industrial Automation. Dissertation: Exploring the Viola-Jones algorithm for facial detection and recognition . 4080h. Average grade (“GPA”): 7.4/10.
MAR 2014 – MAR 2015	COMPUTER SCIENCE Exchange Student RWTH Aachen University – Aachen, Germany. - With CAPES scholarship.
AUG 2013 – FEB 2014	INTENSIVE GERMAN LANGUAGE COURSE Carl Duisberg Centrum – Munich, Germany. - Studied the German language up to the C1.1 level (CEFR).
APR 2006 – APR 2007	SCIENTIFIC INITIATION CNPq in partnership with IMPA – São José dos Campos, Brazil. - Was in the OBMEP ’s Scientific Initiation program with a CNPq Jr. scholarship.
MAR 2006 – DEC 2008	HIGH SCHOOL Embraer Juarez Wanderley – São José dos Campos, Brazil. - Classified as the best school in the state by the National High School Exam in 2008. - 120h sustainability project: in a team of four, built a small anaerobic biodigester.

ACADEMIC ACHIEVEMENTS

2021	1 st place winner in v.Brain ’s machine learning product development hackathon
2012	Honorable mention in the 1 st phase of the International Collegiate Programming Contest (ACM-ICPC)
2011	Honorable mention in the 1 st phase of the International Collegiate Programming Contest (ACM-ICPC)
2005	Honorable mention in the 1 st Brazilian Mathematical Olympiad for State Schools (OBMEP)
2005	Bronze medal in the 8 th Brazilian Olympiad on Astronomy and Astronautics (OBA)
2007	Bronze medal in the 10 th Brazilian Olympiad on Astronomy and Astronautics (OBA)

CERTIFICATIONS

Apr 2023	Google Cloud Professional Data Engineer
Sep 2021	Databricks Academy: Business Leader
Sep 2021	DataCamp Data Scientist Professional certificate
Sep 2021	Astronomer Certification DAG Authoring for Apache Airflow
Apr 2021	Astronomer Certification for Apache Airflow Fundamentals
Jan 2021	Microsoft Azure Fundamentals (AZ-900)
May 2021	Microsoft Azure AI Fundamentals (AI-900)

LANGUAGES

PORTUGUESE: Native Speaker	ENGLISH: Fluent	MANDARIN CHINESE: Elementary
GERMAN: Intermediate	SPANISH: Intermediate	

TECHNICAL SKILLS

Good Knowledge: (2+ years of experience) Data engineering, Software engineering, DevOps, BI, Agile, Python, C/C++, Apache Spark, Shell Script, Flask, FastAPI, RPA, SQL (PostgreSQL, Oracle, SQL Server), MongoDB, Power BI, Tableau, Informatica PowerCenter, Microsoft Office, \LaTeX , Git, Docker, Hashicorp Vault, Linux, Windows, macOS, Apache Airflow, Blue Prism, AWS, Azure, GCP, Databricks

Basic Knowledge: JAVA, Javascript, Swift, Objective-C, Ruby, Rust, Django, Angular, MLOps, Apache Kafka, dbt, Kubernetes, Terraform, Hashicorp Consul, Ansible, Machine Learning, Dask, Power Apps, Power Automate

INTERESTS AND ACTIVITIES

Technology, Free and open-source software, Programming Contests, Information Security, Artificial Intelligence, Languages, Music, Photography, Travelling, Finance, Chess, Gastronomy, Fitness, Cycling, Horticulture.