



AURICÉLIA BESSA

Data Engineering (TÉIA)

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SUMMARY

I am a computer scientist with over 20 years of experience in the aerospace and healthcare industries. I have extensive expertise in software engineering, with proficiency in multiple programming languages, databases and project management. Currently, I have been specialized in data engineering, getting certifications and developing practical projects using technologies such as Python, Apache Spark, AWS, Azure and others.

EDUCATION

IDIOMATICH English School

Advanced Level (currently studying to achieve TOEFL certification)

Paulista University

Bachelor's Degree in Computer Science (1999–2003)

High School ETEP

Computer Technician (1994–1998)

CERTIFICATIONS

- AZURE Data Engineering (until September)
- Project Management, Emotional Intelligence, and Coaching
- Python Specialization by Massachusetts Institute of Technology
- SQL SERVER
- AWS
- Terraform
- Do-178 (Washington - DC)

TECHNICAL SKILLS

- Data Engineering: Lakehouses, Data Lakes, Data Warehouses, ETL, ELT, AWS Full Stack, Azure Full Stack, Spark, PySpark, Google Colab, Databricks Spark, Terraform.
- DBA : SQL Server, MySQL, Postgre, NoSQL, Redis, MongoDB, Oracle, Sybase.
- Software Engineering and Development: Python, SQL, Java, Javascript, C, C++, PHP, Visual Basic, Delphi, Fortran, Pascal.
- PPM Tools: JIRA, Trello.
- Data Analytics and CRM tools: Google Analytics, RD Station.
- Business Intelligence and Reporting Tools: Power BI, Crystal Reports, Access, Excel.

PROFESSIONAL EXPERIENCE

Data Engineering

Carrer Transition| October 2023 - Actual

- Big Data and Data Lakes Projects:** Designed and implemented various projects, including:
 - Built virtual machines on AWS EC2, loaded files onto AWS S3, and published them.
 - Created and managed data sources on Redshift Data Warehouse and integrated them with Power BI.
 - Developed tools in Python using Google Colab, integrating with PostgreSQL, RDS (Relational Database Service), and AWS S3.
 - Created a Databricks Spark cluster, used notebooks to load batch files on PySpark data frames.
- Database Management:** Created and manipulated databases such as Redis, MongoDB, SQL Server, NoSQL, and PostgreSQL on AWS EC2.
- Azure Experience:** Developed Lakehouses and Spark pipelines.

Business Management and Software Engineer

In Pulse | 2015 - 2023

- Gained valuable experience in the commercial department, enhancing communication skills, acquiring sales techniques, and assuming leadership roles. Supervised teams and promoted their professional development.
- Developed a customized system using PHP and MySQL to oversee micro and macro operations within the company, streamlining processes through agile methodology. Contributed to a 20% increase in sales rates by implementing Business Intelligence methodologies, utilizing ETL processes, and analyzing indicators in Power BI.

System Developer

Embraer | 1999 - 2009

- BDI Team Contribution:** Played a key role in designing and implementing one of Embraer's most complex engineering systems, managing over 6 billion aircraft data from flight tests, campaigns, maneuvers. Utilized data modeling and technologies such as Sybase and Oracle databases, ColdFusion, and C++. This system continues to be used today, significantly contributing to the standardization, automation, and reduction of operational time within the division.
- Innovative Solution for CAFM System:** Designed an innovative solution for the CAFM System of Performance Engineering, using Tomcat, MySQL, and ColdFusion. This resulted in a 90% reduction in operating time and software licensing costs, optimizing the company's financial resources.
- System Integration:** Effectively contributed to the integration of systems from different areas using data integration, web services, and SAP features.