

Abel Tavares *DevOps Data Engineer*

✉ abelst9@gmail.com

☎ 910465032

📍 Porto, Portugal

🌐 abeltavares

🔄 abeltavares

🔗 Personal Page



Profile

Data-Driven Engineer, Developer, and Business-Focused Technologist.

Driving business value through data and software engineering.

Currently working on the Cloud Data & Analytics Framework at BMW Group.

Professional Experience

Nov 2023 – present

Porto, Portugal

Critical Techworks | BMW Group [🔗](#)

DevOps Data Engineer

- Develop software systems following OOP principles and unittest framework, while integrating DevOps practices for streamlined operations.
- Develop a Python Wrapper for Terraform, simplifying architecture development and deployment, with a focus on data architectures, using JSON files.
- Build an advanced data platform with event-driven pipelines using Python, Apache Spark, and AWS services.
- Data cleaning, preparation, transformation, and encryption using pandas and pyspark.
- Implement test automation and streamline CI/CD pipelines with Github Actions.
- Streamline automation by containerizing solutions with Docker.
- Write and maintain Python and Bash scripts to automate tasks.
- Agile scrum methodology for collaboration and delivering improvements through code reviews and discussions every sprint.

Infineon Technologies [🔗](#)

Feb 2023 – Nov 2023

Porto, Portugal

Data Analytics Developer

- Designed and implemented Python-based automated solutions, streamlining data collection, cleaning, transformation, and reporting processes.
- Created and maintained Tableau dashboards, reports and visualizations to facilitate data-driven decision-making and effectively communicate insights and trends.
- Supported technical implementations, access management, and optimizing data architecture.
- Improving performance analysis by defining and modeling Key Performance Indicators (KPIs) for multiple functional areas and verifying KPI reporting with SAP Analysis for Office from BW/4HANA queries.
- Streamlined processes by analyzing and reporting on variances for key activities.

Nov 2021 – Feb 2023

Porto, Portugal

Finance Master Data Analyst

- Monitored and analyzed SAP master data ensuring integrity and accuracy, maintaining high data quality standards.
- Improved operational efficiency by creating advanced macros for data extraction, reporting, and validation, streamlining tasks.
- Automated SAP maintenance processes with VBA programming, optimizing system functionality.
- Designed and implement test cases for Finance Master Data processes, ensuring smooth transitions and accuracy.
- Conducted internal controls and generated monthly reports for effective financial management and compliance.
- Facilitated cross-functional communication among IT, accounting, controlling, and treasury teams, ensuring alignment with master data rules and application operations.

Mar 2021 – Aug 2021

Porto, Portugal

Hotel Black Tulip

Business Analyst Intern

- Implemented BI solution for tracking financial and operational performance.

Projects

PostQL [↗](#)

Python library and command-line interface (CLI) tool for interacting with PostgreSQL databases, providing simplified database management, query execution, and result export functionalities.

MarketTrackPipe [↗](#)

Containerized Airflow data pipeline for collecting and storing stock and cryptocurrency market data, following OOP principles and incorporating unit testing with CI/CD.

FinStockDash [↗](#)

Streamlit Python-based web application to analyze historical stock data.

Healthcare NPS Analysis [↗](#)

Analyzing and monitoring Net Promoter Score (NPS) performance for healthcare companies using SQL and Power BI.

Stock Tracker [↗](#)

Django-based web application for real-time stock tracking.

Education

2022 – 2023

Postgraduate Degree in Big Data Engineering

ISEP - Porto School of Engineering [↗](#)

Grade: 15

2021 – 2023

Master's Specialization in Corporate Finance

ISCAP - Porto Accounting and Business School [↗](#)

Grade: 15

2018 – 2021

Bachelor's degree in Business Management

UPT - Portucalense University [↗](#)

Grade: 15

2023

CS50, Computer Science

Harvard School of Engineering and Applied Sciences [↗](#)

Skills

Software Development (Python | Bash | OOP | Unit Testing | CI/CD | | Spark | Kafka | Hadoop | Docker | | Terraform | Git | Linux | Django | [HTML, CSS, JavaScript] | Agile) • **Databases** (Postgres | MongoDB | SQL) • **Data Engineering / Analytics** (PySpark | pandas | NumPy | dbt) • **Data Analysis and Reporting** (Tableau | Power BI) • **Process Automation** (VBA Programming | Microsoft Excel Macros) • **Cloud Services** (AWS | Azure) • **Soft Skills** (Communication | Leadership | Teamwork | Organization | Project and Time Management)

Languages

Portuguese



English



Certificates

AWS Certified Cloud Practitioner [↗](#)

AWS

Professional Scrum Master™ I (PSM I) [↗](#)

Scrum.org

Azure Fundamentals | AI Fundamentals | Data Fundamentals [↗](#)

Microsoft

dbt Fundamentals [↗](#)

dbt Labs

Organizations

2019 – present

Conferência S. Vicente de Paulo de Sandim [↗](#)

Member

Interests

• Reading

• Karatê

• Volunteer work [↗](#)