Rafael Bardisa Rodes

Personal Information

+34 697883557
rbardisa76@gmail.com
LinkedIn - Rafael Bardisa
GitHub - Rafael-Bardisa
Barcelona, Spain

Professional Experience

June 2023 - Present **Software Developer** at **Cetaqua, water technology center (AGBAR group).**

- Lead standarization of Python development tools for a team of 16.
- Configured an Apache Airflow server and developed several DAGs to automate data storage pipelines.
- Designed and developed scalable alarm systems to notify plant workers of relevant events in various water treatment plants.
- Developed a machine learning model to predict concentrations of trihalomethanes using Neptune.ai to track model metadata.

Education

2019 -2023 **Bachelor in Mathematical engineering in Data Science.**
All courses in English, Pompeu Fabra University, Barcelona.

Skills

Coding - Python, C, JavaScript, C++, Rust.

Databases - mySQL, PostgreSQL, MongoDB.

Tools - Gitlab, Apache Airflow, Azure DevOps, Neptune.ai, mypy, node, npm.

Web Dev - HTML5, css, JavaScript, FastAPI, Streamlit, JSON

Misc - Web Scraping, Clean Architechture, TDD, Python Packaging, CMake.

Languages

- Spanish, Catalan (native)
- English (proficient)
- German (beginner)

Awards and Achievements

2022 - **ABDataChallenge winner**
Awarded by Aigües de Barcelona (15.000 € prize).

2023 - **SWERC participation (european regional ICPC).**
Won internal competition to represent Pompeu Fabra University.

2022 - **English effective C1.2 MECR level.**
Awarded by Pompeu Fabra University.

2019 - **12th place award - Mathematical Kangaroo.**
Mathematics and logic competition in Catalonia.

2017 - **Joined Bojos x les matemàtiques programme.**

Personal Projects

2021 - **El Beteador**
Web scraper and arbitrage calculator for sports gambling sites

Hobbies

Chess, Piano, Korfball, Voleyball