Bárbara Diana

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SOFTWARE ENGINEER

I'm a software engineer with a multidisciplinary background in data engineering, software testing, and quality systems. I bring over 4 years of hands-on experience developing data pipelines, optimizing quality processes, and building reliable systems across Agile and safety-critical environments. With dual degrees in Business Management and Informatics Engineering, I bridge technical insight and strategic thinking.

WORK EXPERIENCE

Critical Software S.A.   2023 - Present
Software Tester

- Designed, implemented and executed manual and automated integration testing for safety-critical systems, ensuring compliance with CENELEC standards.
- Contributed to the review process of system requirements with a cross-functional team, identifying faults and inconsistencies, as well as testability.

DataCentric   2023 - 2023
Data Engineer

- Provided support on several Agile projects, related to transforming raw datasets into analytical tables for decision-making purposes.
- Developed an internship project, focused on real-time data analytics applied to a dynamic recommendation algorithm.

NIBBLE - Engenharia Lda.   2019 - 2022
Quality Manager & Management Assistant

- Implemented and managed an ISO 9001 QMS and NP 4457 R&D integrated system.
- Built internal tools (dashboards, document automation, surveys) to enhance operational efficiency.

EDUCATION

Bachelor's Degree in Informatics Engineering
Instituto Superior de Engenharia do Porto   2019 - 2023

Erasmus + | European Project Semester
St. Pölten University of Applied Sciences   2022 - 2023

Bachelor's Degree in Business Management
Faculdade de Economia da Universidade do Porto   2016 - 2019

SKILLS

Testing & QA Tools
- JUnit
- Mockito
- Jira

Big Data Tools
- Spark
- PySpark
- Kafka
- Docker
- SQL
- Azure

Automation & CI/CD
- Jenkins
- Git

Programming Languages
- C
- C#
- C++
- Java
- Python

Soft Skills
- Attention to detail
- Organization
- Proactivity
- Problem-solving
- Team player

Languages
- Portuguese
- English

CERTIFICATIONS

ISTQB® Foundation Level (CTFL) - Syllabus 2018
2024
PSTQB