Miguel Brandão

Date of birth: 04/07/1997

Nationality: Portuguese

CONTACT

📍 Portugal **(Home)**

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WORK EXPERIENCE

01/01/2021 – CURRENT Fundão, Portugal

Programmer Softinsa

Sucessfully transitioned from an internship to a full-time role

EDUCATION AND TRAINING

2015 – 2020 Covilhã, Portugal

Masters Informatic Engineering Universidade da Beira Interior

Website https://www.ubi.pt/en/

LANGUAGE SKILLS

MOTHER TONGUE(S): Portuguese

Other language(s):

English

Listening C2	**Spoken production** C2
Reading C2	**Spoken interaction** C2
Writing C2	

Spanish

Listening B1	**Spoken production** A1
Reading B1	**Spoken interaction** A1
Writing B1	

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

PROGRAMMING LANGUAGES

Python │ T-SQL │ C# │ Java │ JavaScript │ HTML & CSS │ C++

TECHNOLOGIES

Flask & FastApi │ MySql │ MSSQL │ Git │ Poetry │ Docker │ MongoDB

ADDITIONAL INFORMATION

Projects

Backend developer for IBM Zuriche Contract developer from Softinsa. Developed internal backend systems and open source utility functions on the DeepSearch project with a sizable team,

Technologies/Concepts: Python, python-fastAPI, python-pydantic, python-typer, git, Poetry, Kubernetes, OpenShift

Developer for Softinsa Built an automated knowledge test generation, correction and forwarding platform, that softinsa uses internally to knowledge test new employee candidates.
in it the administrators can:
  • Generate a test containing any amount of questions under a given topic.
  • Manage questions and topics existing in the database
  • Forward tests via URL to the candidates
  • Manage existing tests and see their respective results
  • See a dashboard containing several KI, such as counts of questions per topic, generated test completion status, completed test grades
Users can:
  • Access a single attempt timed test generated by an administrator, answer the multi-choice questions and submit the test for automatic evaluation.
Technologies/Concepts: Python, python-flask, MongoDB, Docker, git

Backend developer for IBM Muniche Sole backend developer of a python project with ocasional FE tasks. The system received pictures from a photobooth and was in charge of sending them over to several inference models located in a remote server aswell as apply some data processing itself. Then it would submit the results to a MSSQL database and a SAP endpoint. It was an interesting project developed by a small team with very defined roles. Can not disclose more information due to NDA.

Technologies/Concepts: Python, MSSQL, Angular, Linux Scripting, Automated log analisys.

A tool for predictive analysis of trends in an IT Service A proof of concept web app that would draw its information from a database where all issue tickets are located. It would put this information in graph format separating issues by categories and offer a predictive analysis of the future amount of issues using Facebook prophet.

Technologies/Concepts: Python, Facebook Prophet, SQL, Flask.

Database Development and Database Interface Application development Mock up of a complex hospital work-flow. Interface applications in JavaFX, made use of transaction isolation levels to avoid deadlocks and massively increase performance.

Technologies/Concepts: Java, SQL, JavaFX.

Android application to guide visitors trough "Centro de Energia Viva da Montanha" With a facebook like news feed and QR code reading capacity to provide visitors with information regarding the several expositions in the museum.

Technologies/Concepts: Java, Android, SQL.

Something Brawl Prototype for a game and an authoritative server of a multiplayer cross platform turn-based card-game.

Technologies/Concepts: C#, Unity, Javascript, NodeJS.