João Pedro Tavares Vaz

Date of birth: 05/05/1996 | **Nationality:** Portuguese | **Gender:** Male |

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WORK EXPERIENCE

01/2022 – CURRENT Lisboa, Portugal
SOFTWARE DEVELOPER BIZAY

Acquired Skills:
C#; .NET Framework; NET Core; LINQ; Entity Framework; REST APIs; Microsoft SQL Server; AngularJS; Azure;

01/02/2021 – 30/09/2021 Lisboa, Portugal
PROJECT RESEARCHER INSTITUTO SUPERIOR DE ENGENHARIA DE LISBOA

FERROVIA 4.0 - Intelligent Monitoring in Railways - Integration and Prototype Demonstration (PPS2-1)
Acquired Skills:
Kubernetes; Docker; Stream Processing;

EDUCATION AND TRAINING

09/2019 – 04/2022
MASTER'S DEGREE IN COMPUTER ENGINEERING Instituto Superior de Engenharia de Lisboa

Final Project:
Traffic Indicator: Pattern Discovery in Lisbon - Creation of a real-time indicator based on reported Waze traffic and IPMA weather data on pre-defined roads.
Articles:
"Mobilidade urbana sustentável: plataforma inteligente de monitorização" - INForum 2021 - 12º Simpósio de Informática
"Traffic Flow Indicator: Predicting Jams in a City" - 2022 26th International Conference Information Visualisation (IV)

Final grade 16 | **Level in EQF** EQF level 7

09/2014 – 06/2019 Lisboa, Portugal
DEGREE IN COMPUTER ENGINEERING Instituto Superior de Engenharia de Lisboa

Final Project:
Service Quality Monitoring in Railway Communications - Development of an information system enabling probe administration and data analysis from probes embedded in trains.
Acquired Skills:
JavaScript; Java; Kotlin; Spring Framework; Node.js; Angular; PostgreSQL;

Final grade 13 | **Level in EQF** EQF level 6

2012 – 2014
SCIENTIFIC-HUMANISTIC COURSE IN SCIENCES AND TECHNOLOGIES Escola Secundária de Santo André, Barreiro (Portugal)

Level in EQF EQF level 3

LANGUAGE SKILLS

Mother tongue(s):   **PORTUGUESE**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	C2	C2	C2

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

ADDITIONAL INFORMATION

DRIVING LICENCE

Driving Licence: B

PROJECTS

Developed as part of the Master's Degree Program
Software Engineering
Development of a funding project management system to support the creation of research and development (R&D) networks.
Acquired Skills:
Defining the solution's vision; Requirements specification; Designing and specifying the system's architecture and its implementation;

Distributed Computing
Building a data storage system in a server cluster with data replication and a model ensuring consensus among all servers.
Acquired Skills:
gRPC; .NET Remoting;

Large-Scale Data Mining
Analysis and application of predictive models on a dataset containing information about taxi trips in New York City in 2018.
Acquired Skills:
R; Python; Classification and regression models;

Developed as part of the Degree's Program
Cloud Computing
Development of a system to store, catalog, and search images by characteristics, with elasticity requirements, using integrated storage, data communication services, and computing within the Google Cloud Platform.
Acquired Skills:
Google Cloud Platform (Firestore, Pub/Sub, and VM Control); Java; NoSQL;

Internet Programming
Development of a web application for presenting and searching movies currently showing, including user registration allowing ticket reservations for specific theaters and sessions.
Acquired Skills:
JavaScript; Node.js; HTML;

JOB-RELATED SKILLS

Job-related skills

- Problem-solving
- Communication and interpersonal relations
- Organization and time management
- Teamwork