Francisco Barros

Software Engineer

Portuguese/Canadian

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Skills

Java

Python

Scrum

C,C++

Databases Knowledge

Repository Control

Bash

IntelliJ

Languages

Portuguese

English

Spanish

French

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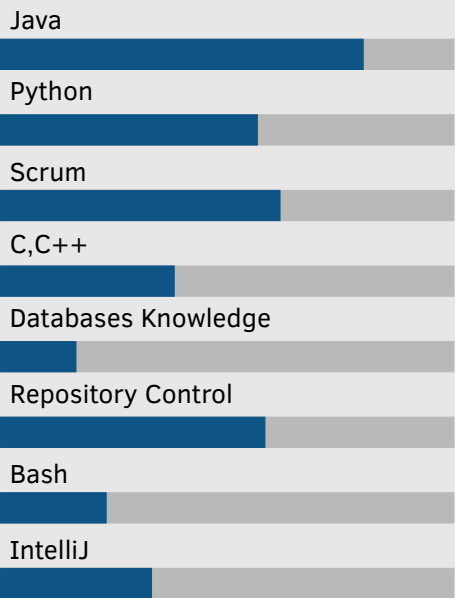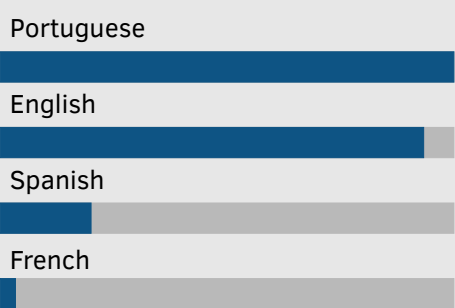
Interests

My favourite undergraduate courses were Operating Systems and Object-Oriented Programming, where I was able to learn about programming from low to high level as well as understand the utility of design patterns and their importance when developing large scale software.

For the masters course, my thesis goal was to develop a Gamifcation add-on for the Jira Core, with the main goal of motivating the Scrum usage and improve its adoption. This tool was made mainly in Java for the behaviour, and HTML and CSS for the front-end.

I'm interested in the Agile methodologies, where the ability to adapt to the ever changing needs is embraced, also not forgetting on seeing human to human interaction as vital to produce a better outcome.

Education

2017-2019	Masters in Information Systems and Computer Engineering (15/20) Instituto Superior Técnico, Lisboa
2012-2017	Undergraduate in Information Systems and Computer Engineering (12/20) Instituto Superior Técnico, Lisboa

Experience

2015-2016	IEEE Volunteer	Helped on IEEE-IST Academic, IEEE-IST TV and IEEE-IST CS
2018	Game Developer	For more details: http://web.ist.utl.pt/ist176496/DJ/
2018-2019	Inesc-INOV Intern	Internship in Gamification Project
2019	Software Engineer @ Multicert	
2019-Now	Software Engineer @ CERN	

Work

On Multicert I was part of a project regarding an Android application for digital signature of documents using Citizen Card or others. During this time I used Android Studio to develop and do unit testing of the developed functions, and having Java as the main development language, where there was also a conversion to asynchronous functions for a faster and more responsive application.

On CERN I am part of the integration of the OpenShift 4 integration, where several different Operators are developed (using Kubernetes and Operator SDK frameworks) for automation on website deployment, integration with authentication services (OIDC), and other internal services.