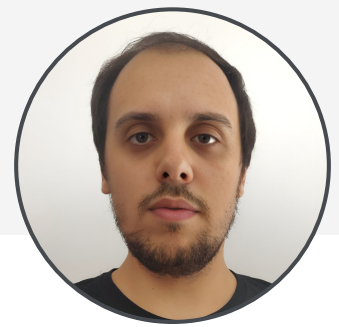


BERNARDO MARQUES

SOFTWARE ENGINEER



DETAILS

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- 📍 Portugal
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- 🌐 web.ist.utl.pt/bernardocmarques

SKILLS

- Python
- Java
- Android Studio
- C & C++
- TypeScript & JavaScript
- HTML & CSS
- Git
- Cloud Computing
- Problem Solving
- Fast Learner
- Teamwork driven
- Adaptability

LANGUAGES

Portuguese - Native

English - Fluent (Level C1)

PROFILE

I am a Software Engineer with a Master's in Computer Science and Engineering at Instituto Superior Técnico in Lisbon, Portugal. I am passionate about technology and problem solving. I love the idea of solving a problem and creating something useful through coding.

I see myself as a software developer, with a greater focus on the back-end side, but I'm also capable of creating a simple and responsive UI. I specialise in Distributed Systems and have experience creating client-server applications for web and mobile devices.

EDUCATION

MASTER IN COMPUTER SCIENCE AND ENGINEERING

Instituto Superior Técnico, Lisbon, Portugal

2016 - 2022

BACHELOR IN COMPUTER SCIENCE AND ENGINEERING

Instituto Superior Técnico, Lisbon, Portugal

2014 - 2016

PAST PROJECTS

IOT SMART DOOR LOCK WITH WIRELESS KEY SHARING FOR TOURISM APPLICATIONS

University Project - 2022

This project was developed as a dissertation to obtain a Master's in Computer Science and Engineering at Instituto Superior Técnico, Lisbon. It is a Smart Door Lock system, that can be remotely controlled with a smartphone application.

The main challenge of this project was to create a secure, reliable and efficient system with low power consumption and a rich feature set for the end user. Another focus of this system was a feature that allows the user to remotely create and send keys to another user, allowing guests or tenants to use the smart lock without meeting the owner.

The system can be applied in multiple situations like private home locks, building or apartment complex main doors, shared buildings like company headquarters doors, rental houses for tourism (like Airbnb), and hotel or motel rooms.

MONTRA DIGITAL | REAL ESTATE

Freelancer Work - 2022

This project is a web app for a digital showcase to display properties in a real estate agency.

It has a control panel to add or edit properties and automatically interacts with websites created by "eGO Real Estate" CRM to obtain the necessary information about each property.

The digital showcase view consists of a slideshow with information and images for each property.

This web app works with any smartTV with a browser or equivalent device.

PHARMACY | WEB APP

Freelancer Work - 2021

This was a freelancer project for a UK pharmacy to create a Web App to fully manage and bring to the digital space all the paper trail tasks in a pharmacy.

In this app, it is possible to manage every day-to-day task of a pharmacy, like managing drug prescriptions, controlling drug expiring dates, logging alerts and near-miss incidents, managing invoices, and many more.

This project was tailored to the customer's needs and was continuously developed feature per feature while in production.

BUDGET CREATOR | WEB APP

Personal Project - 2021

A simple Web App made as a personal project that enables users to quickly and simply create and manage client budgets.

With this Budget Creator, the user can manage information about his clients and each project, easily creating and exporting budgets as PDFs.

This Web App has a simple dashboard that summarizes some information about the user's projects, like total earnings, client and project statistics and earning overtime visualizations.

CYCLING FIZZ | MOBILE APP

University Project - 2021

Self-proposed project developed for the "Mobile and Ubiquitous Computing" course.

Cycling Fizz is a platform for cyclists in Lisbon, with informative maps of cycleways and Bike Sharing docks. It has a map with all the cycleways in Lisbon, and the Gira Bike Sharing docks. This information is obtained in real-time from the Open Street Map and Emel's public database.

With this app, the user can record cycling routes and share them with other users.