

Afonso Jorge

Software engineer

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Profile

As both a software engineer and computer scientist, I offer a unique combination of skills and experience - I have a deep understanding of software engineering principles and a strong track record of designing and implementing relatively complex software systems. My core skills equally extend to computer science, with a solid grounding in algorithms, data structures, and software design patterns.

I am an affable communicator, able to work with people from all walks of life, as I am proficient at explaining complex concepts to non-technical audiences. I find it very enjoyable to look for the best ways of transmitting stakeholders' ideas to the development team. In addition, I have experience in team management and leadership roles. Just as a computer program is only as effective as its code, I believe a company is only as effective as its people. Therefore, I am searching for ways to improve the team's development process and workflow.

Professional Experience

Lead Software Developer

Walk4Money - Health Fintech start-up 

09/2021 - Present | London

Responsible for the design, full-stack development and deployment of an MVP and a web app used to demonstrate the company business model.

Projects

QuizzesTutor

Online Exam and Tests hosting platform

I was tasked with the full-stack implementation of new web app features and respective testing.

Bicloin

Bicycle renting platform

A server-side application that uses gRPC for its API, enabling accurate bicycle renting and tracking with a rudimentary client-side app.

ODISSEIA

Database & Web app

A SQL Database, built with PL/pgSQL, that stores and manages health data from different health providers and a web app.

Key Skills

Programming Languages

React, Typescript, HTML, CSS, React Native, Vue, Python, SQL, C, C++, Java,

UI/UX Design and Development

AdobeXD, Figma

APIs expertise

Next.js, Node.js, Postgres, GraphQL, REST, ThreeJS, Flask, ExpressJS

Build Tools

npm, Gradle, Maven, gcc, gRPC,

Database expertise

Firebase, MongoDB Realm, PostgreSQL

Testing Tools

JMeter, JUnit, Groovy, Cypress

Data Visualization and Organizational tools

Enterprise Architect, Archi, Trello, Slack

Fluency in English, Portuguese and communicational skills in Spanish

Other Experience

IST Management Challenge 2019/2020 - 1st Semester - Placed 4th/380 - Top 5 Finalist

I managed a team of 6 people in a university-wide competition, consisting of a weekly management simulation of a company where the goal was to attain the highest possible investment performance for said company. The challenge ran for five weeks. By placing in the top 10, we qualified for the national phase of GMC and were given sponsorship by Konica Minolta.

Case-study on a major insurance provider - Fidelidade

I managed a group of 7 people in a case study on the functions and importance of software engineers in a company, such as an insurance provider. The study encompassed interviews with the different employees, reviewing past company tendencies and decisions, and presenting possible solutions and optimizations to specific software and infrastructural problems the company was facing at the time.

Food Bank against Hunger (Banco Alimentar Contra a Fome) - Volunteering - 2012-2015-2017

Education

BSc Computer Science and Engineering

Instituto Superior Técnico - Lisbon | 2022

C1- Advance - formerly Certificate in Advance English (CAE) - 2018