

# Afonso Jorge

## Software engineer

 Afonso Jorge  [afonsojorge.com](https://afonsojorge.com)

 [afonsojorge15](#)  +351963200429

 [afonso.matos.jorge@gmail.com](mailto:afonso.matos.jorge@gmail.com)

### 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'm constantly searching for ways to improve the team's workflow at every stage of development.

### 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**