



CONTACTS

 leonardo.melo@outlook.pt

 @leonardmelo

 biole.github.io

SKILLS

Programming Languages
Java, Python, Javascript

Frameworks
Spring Boot, React.js, Scrapy, Express

Libraries
Pandas, Leaflet, Deck.gl

Data
PostgreSQL, PostGIS, Redis,
MongoDB, Elastic Search, PowerBi

Infrastructure
Docker, Kubernetes, NGINX, gRPC

Monitoring
Prometheus, Grafana

Cloud
Firebase, AWS (DynamoDB, EC2,
Cognito)

SOFT SKILLS

Autonomous
Curious
Self-motivated
Active learner
Good with people

LANGUAGES

Portuguese
English

LEONARDO MELO

SOFTWARE ENGINEER

PERSONAL PROFILE

Currently concluding a Master's Degree in Software and Multimedia Engineering. I'm highly dedicated and ambitious, always focused on constantly learning which is reflected in my skills and projects, most of which are self-taught.

WORK EXPERIENCE

Teacher's Assistant

Instituto Superior de Engenharia de Lisboa | Sep 2017 - Sep 2021

- Supervising and helping with classes
- Research and development to create a new curriculum unit (Smart and Interactive Virtual Environments)
- Setting up and managing multimedia lab

Backend developer (Leucodiff - Android App) | Freelance

Lisbon School of Health and Technology | Jan 2018 - Dec 2018

- API management and development
- Private cloud deployment

RELEVANT PROJECTS

15-Minute City (Master Thesis) | Web + Infrastructure

Real estate dashboard that displays zone metrics and listings scraped from multiple real estate agencies.

Stack: Microservices, Spring Boot, React.js, Redis, Docker, Kubernetes, PostgreSQL, Mongo, DynamoDB, Cognito, PostGIS, gRPC, Elastic Search, Prometheus, Grafana

Adopet | Hybrid application

Tinder-like application (swiping) for pet adoption.

Stack: Ionic, Typescript, AngularJS, Firebase, NodeJS

LisbonAirQuality | IoT application

Dashboard that displays Lisbon air quality. Data is collected through a moving TTGO ESP32 device that communicates via LoRa with an API built in NodeRed.

Stack: MicroPython, NodeRed, LoRaWAN, MongoDB

Acquire.ly | Web Application

Development of an auction website with real time transactions through the use of websockets.

Stack: Spring MVC, Java Server Pages, PostgreSQL

EDUCATIONAL HISTORY

Instituto Superior de Engenharia de Lisboa (ISEL)

Masters in Software and Multimedia Engineering | 2018 - 2021

Instituto Superior de Engenharia de Lisboa (ISEL)

Bachelor in Software and Multimedia Engineering | 2014 - 2018