LEONARDO MELO

SOFTWARE ENGINEER

CONTACTS

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in @leonardmelo

SKILLS

Frameworks
Spring Boot, React.js, Ionic, Angular, Scrapy, NodeJS

Libraries
Hibernate, Sequelize, Pandas, Leaflet, PowerBi

Languages
Java, Python, Javascript

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

Deployment
Docker, Kubernetes, NGINX

Monitoring
Prometheus, Grafana

Cloud
Firebase, AWS DynamoDB, AWS Cognito

SOFT SKILLS

Autonomous
Curious
Self-motivated
Active learner
Good with people

LANGUAGES

Portuguese
English

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

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

Adopet | Mobile 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: NodeRed, LoRaWAN, MongoDB

AuctionHouse | Web Application
Development of an auction website with real time transactions through the use of websockets.

Stack: Spring MVC, Java Server Pages, WebSockets, 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