

# João Santos

Junior Developer

## Personal Info



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Lisbon, PT

## [Natural] Languages

English	C2
French	B2
Spanish	B1
Portuguese	C2

## [Programming] Languages

Javascript	Good
React.js	Good
HTML5 & CSS3	Excellent
Python	Good
R	Basic
C	Excellent
C++	Intermediate

## Other Tools/Framworks

Git	Excellent
Unix Shell	Excellent
Shell Scripting	Intermediate
GoogleTest	Basic
Agile (Scrum) & Jira	Good

With a background in Medicine and 6+ years of clinical practice, I grew tired of working with poorly-designed and non-intuitive software. The turning point came when I did a datascience project involving geospatial data analysis with Python and R. I liked it so much that I enrolled at 42 to become a programmer. Currently, I'm finishing a FullStack course on Udemy, and doing some front-end and datascience projects. Passionate and curious by nature, I look forward to join a team and build something great!

## Work Experience

- Jan 2022 - Jun 2022 **Software Engineer Intern | Critical Techworks**
- Working on the **frontend** of BMW's cars' infotainment, developing the Human Machine Interface (**HMI**) of the Navigation panel
  - Maintaining the existing codebase (in **C++**)
  - Adding new **features** and making **Unit Tests**
  - Adding new UI with the **QT** framework
- Oct 2014 - Jul 2021 **Student and Medical Doctor | ARSLVT & AP-HP (Paris)**
- Medical student and resident "externe" in **Paris** (Oct 2014 - Jul 2016)
  - Clerkship in **Uppsala** (Jul 2015)
  - GP resident in **Lisbon** + working shifts in the **ER department** of the largest hospital in the country (Mar 2018 - Jul 2021)

## Some Projects

- Portfolio** **React.js, JavaScript**
- Website showcasing my main projects (check the link on the sidebar)
- Fast-Food and Schools in Portugal** **Python, R**
- My Master's thesis in Clinical Nutrition, with **geospatial data analysis (GIS)**
  - **Datascience** project to find out a potential geographical clustering
  - Making use of **Jupyter notebook** and **geopandas, numpy, matplotlib**
- Face Detector** **React.js, Node.js, Express.js, JavaScript**
- **Fullstack** project, with **API endpoints** and **login** access
- Moves of Pokémons** **React.js, JavaScript**
- Website with searchable list, using **AJAX** requests and a public **API**
- Minishell** **C**
- A **Unix shell**, implemented with an **Abstract Syntax Tree**
- Dining Philosophers** **C, C++**
- Implementation of a concurrent algorithm, using **threads**

## Education

- Oct 2020 - present **Software Engineering Course**  
*42 Lisboa*
- Sep 2018 - Dec 2021 **Master's Degree in Clinical Nutrition**  
*Universidade de Lisboa*
- Sep 2010 - Jul 2016 **Doctor of Medicine**  
*Universidade de Lisboa & Pierre et Marie Curie Université*

## Hobbies

Cycling   Cooking   Reading   Learning   Traveling   Photography