

# João Santos

## Full-Stack Developer

### Personal Info



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Bari, IT

### Languages



Portuguese

C2



English

C2



French

B2



Italian

B2



Spanish

B1

### Tech Stack



ember



express

NEXT.js



As a **medical doctor** with **6+ years of clinical practice**, I became frustrated with the **poorly designed software** we were forced to use daily. I knew the UX/UI could be dramatically improved with more intuitive, user-friendly designs. This led me to **pivot my career** and become a full-stack developer, so that **I could be part of the solution**.

With my **clinical background** and **passion for programming**, I have the perfect blend of skills to build software that truly meets the needs of medical professionals.

My ultimate dream: **help revolutionise the UX of healthcare software**.

### Experience

Oct 2022  
- present

#### Full Stack Developer (remote)

haelsi (Vienna)

- Leveraging my background as a doctor to develop a user-centric **EMR** software
- Collaborating with a cross-functional team in a **full remote** work environment
- Maintaining and enhancing an existing web application, using **Ember.js** on the frontend and **Laravel (PHP)** on the backend
- **Containerising** the existent web application to create a staging environment
- Conducting comprehensive **testing (JUnit and PHPUnit)** and **debugging**
- Utilising **Python** for creating scripts and automation tools and streamlining manual tasks
- Conducting thorough **code reviews**, debugging, and **bug fixing**
- Working in an **agile** environment, including daily stand-ups, sprint planning, and retrospectives, to ensure timely project delivery
- Collaborating with stakeholders and end users, to gather feedback and implement new features

Jan 2022  
- Jun 2022

#### Software Engineer Intern

Critical Techworks (Lisbon)

- 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

Jun 2020  
- Dec 2021

#### Graduate Student Researcher

Universidade de Lisboa

The thesis of my Master degree in Clinical Nutrition involved:

- Geospatial data analysis using **Python** and **R**
- Making use of **Jupyter notebook** and **geopandas**

Oct 2014  
- Jul 2021

#### Medical Doctor

ARSLVT (Lisbon), APHP (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)

### Education

Oct 2020  
- Oct 2022

#### 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 Hiking Cooking Reading Learning Traveling Sailing