

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



With a **background in Medicine** and **6+ years of clinical practice**, I grew tired of working with poorly-designed and non-intuitive software. **Healthcare software needs a dramatic uplift**, and I decided to be part of that change.

The **turning point** came when working on the thesis of my Masters in Clinical Nutrition: 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 and ended up dropping my residence with only 1y left to finish.

Passionate and curious by nature, **I love to learn and be challenged**. At haelsi, I am lucky enough to have both, and I get to build software for my fellow colleagues!

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