

Francisco Gonçalves

SOFTWARE ENGINEER · MSc IN INFORMATICS AND COMPUTING ENGINEERING · PORTO, PORTUGAL

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Education

Faculty of Engineering of the University of Porto (FEUP)

Sep 2018 - Jul 2023

BACHELOR  AND MASTER  IN INFORMATICS AND COMPUTING ENGINEERING

Porto, Portugal

- Completed both the bachelor and master degrees, finishing the masters' averaging **18/20**
- **Relevant bachelor coursework:** Web App Development, Algorithms and Data Structures, Databases, Artificial Intelligence
- **Relevant master coursework:** Full Stack Development, IOT factory management, AI Assistant Web Navigator, P2P Timeline, Semantic Web App Dev

Skills

Technical

Git 4y · HTML/CSS/JS 3y · NodeJS 3y · ReactJS 3y · TS 2y · Tailwind 2y · Next.js 1.5y · Gatsby.js 1.5y · PHP/Laravel 2y · SQL 2y · Python 3y · Java 3y · C/C++ 3y · Docker 2y · GraphQL 1y · React Native 0.5y · Angular 0.5y · Flutter 0.5y

Languages

Portuguese Native · English Proficient | CAE C1 Level, 2016 · Spanish Intermediate understanding · French Basic understanding

Professional & Other Experiences

Intern

Feb 2023 - Jul 2023

CRITICAL MANUFACTURING  in

Maia, Porto, Portugal

- Interned at Critical Manufacturing as a part of product development team.
- Work focused on collecting web analytics and **usability metrics** for MES aiming to improve UI/UX. Dashboard preview deployed in Vercel.

Erasmus Student

Aug 2022 - Dec 2022

AALTO UNIVERSITY SCHOOL OF SCIENCE  in

Espoo, Finland

- Studied computer science abroad at Aalto University, in Espoo, Finland as an exchange student part of the Erasmus program

Active Member

Nov 2020 - Present

NIAFEUP - INFORMATICS ENGINEERING STUDENT BRANCH @ FEUP  in

Porto, Portugal

- Actively contributed to projects (e.g. TTS) and co-organized a variety of events (e.g. SINF)

Participant

Jul 2014 - Present

OTHER EXPERIENCES

- Interrail across Europe (24 days), 5 *Camións de Santiago*, volunteering focused on visiting and helping elderly people

Projects

Finishers Hub — Videoclip gallery of finishing moves

Jan 2022 - Jun 2023

NEXT.JS, REACT, TYPESCRIPT, TAILWINDCSS, EXPRESS, MONGODB, GOOGLE SHEETS API

Individual

- Developed a dynamic museum with video highlights of COD finishing moves. V1 used **Twitch API**. V2 uses **S3 Buckets** from AWS API. Added registry to track team stats. Lab system for move characteristics enhances analysis.

Guerner & Irmãos — Agrotexiles and fabrics company website

Dec 2022 - Jun 2023

REACT, TYPESCRIPT, GATSBY 5, MDX, GRAPHQL, TAILWINDCSS

Individual

- Created a marketing and display website for Guerner & Irmãos, offering high-performance textiles, technical fabrics, and quality building materials. Utilized GraphQL for product and service display.

TTS — Time Table Selector for UPorto Students

Apr 2022 - Aug 2022

REACT, TYPESCRIPT, TAILWINDCSS, DOCKER

Team of 3 active developers

- Developed a platform for students of University of Porto to build their course schedule options for the semester.

Internet of Everything — “Everything is connected. Not just the devices.”

Oct 2021 - Jan 2022

DOCKER, JAVASCRIPT, JAVA, PYTHON, REACT, TAILWINDCSS

Team of 20 people


- Collaboratively developed a **factory management and maintenance platform** simulator. Used LeSS Agile framework.
- Responsible for frontend development and UI/UX of the platform that helps monitor and manage the system.

Virtual Assistant for Critical Manufacturing's Manufacturing Execution System

Feb 2022 - Jul 2022

TYPESCRIPT, ANGULAR, PYTHON, FLASK, SPACY, DOCKER

Team of 8 people

- Developed a virtual assistant to facilitate navigation and interaction with Critical Manufacturing's Execution System
- Created a 'small startup' and branding around the adopted project: **Robin** 

Semantic Web Health Information Platform

Nov 2021 - Jan 2022

NODEJS, EXPRESS, REACT, TAILWINDCSS, SPARQL

Team of 3 people

- Developed a **health information platform** using DBPedia and Bioportal datasets, providing accurate and approved details about diseases.

TechCouncil — Collaborative Q&A Hub for all Tech Related issues

Feb 2021 - Jun 2021

PHP, LARAVEL, JAVASCRIPT, HTML, BOOTSTRAP5, CSS, POSTGRESQL, DOCKER

Team of 4 people

- Developed a web app for tech-related questions, utilizing planning, specifications, mockups, database design, and full-stack development.

Full portfolio available on my website 