Gonçalo **Marantes**

INFORMATICS AND COMPUTING ENGINEERING STUDENT

Gondomar, Porto

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Summary

I am currently finishing my last year of the integrated masters degree in Informatics and Computing Engineering at the Faculty of Engineering of the University of Porto. Passionate about open-source, containerization, CI/CD, software development methodologies, project management, database technologies and web development.

Education

Faculty of Engineering of the University of Porto   *R. Dr. Roberto Frias, 4200-465 Porto*

INTEGRATED MASTER'S IN INFORMATICS AND COMPUTING ENGINEERING   *2017 - Present*

- Software Engineering
- Requirements Engineering
- Database Technologies

Experience

ZeroZero   *Vila Nova de Gaia*

SOFTWARE DEVELOPER   *Jun. 2021 - Present*

- Developed Project: Orwell, a web service to aid in the identification and categorization of website visitors. Extracts information from web requests, such as IP address, location, page visits, etc.
- Designed the web application interface with the help of Figma and Affinity Design. Built the entire page layout, components and interactions
- Developed the web interface using React, Bulma and SCSS; external and internal APIs with NodeJS, ExpressJS and KnexJS; database using PostgreSQL and PGPLSQL; cache using Redis and server configuration with Traefik
- Developed server unit tests with Jest and Supertest
- Containerized the whole service with Docker and Docker Compose, compatible with different environments
- Configured ZeroZero's internal GitLab instance with GitLab runners and CI/CD configuration
- Configured automatic project deployment to virtual private server

Jobt   *Porto, Portugal*

CO-FOUNDER   *Jan. 2020 - Present*

- Jobt is a start-up created by two people, Valentim Luís and João Fonseca, students at Porto Business School.
- Designed and developed the website.

SPeCS Associate Laboratory   *FEUP*

SUMMER INTERN   *Jul. 2020 - Sep. 2020*

- Worked at SPeCS Research Group (Special-Purpose Computing Systems, languages and tools) under Professor Nuno Paulino and Professor João Bispo
- Designed and developed a web application using VueJS to showcase the Binary Translation Framework, an internal project developed by Professor Nuno Paulino

Projects

Glass Base (github.com/Marantesss/glass-base)

PERSONAL   *2021*

- Developed a web dashboard and REST API to visualize data from the Portuguese government public contract platform (https://www.base.gov.pt/base4). This application stores, serves and presents data in a more user friendly way, with metrics, charts and table
- Designed the dashboard with Figma. Developed the dashboard with NuxtJS and TailwindCSS, server development was done in NodeJS, ExpressJS and KnexJS, relational database was developed in PostgreSQL

Extracurricular Activity

IEEE University of Porto Student Branch   *Porto, Portugal*

CORE MEMBER & VICE-CHAIRMAN AT 2019   *Nov. 2017 - PRESENT*

- Helped organize events (RetroJam 2019, REC 2020) and workshops (C++, Git)
- Contributed to the development of the student branch's website (https://ieee.fe.up.pt/)
- Designed various branding materials

Licenses & Certifications

2017 **Certificate of Proficiency in English**, University of Cambridge   *Porto, Portugal*