

## PROFILE

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Software Engineer with three years of experience, specializing in Javascript-related frameworks (React, Angular, Next.js, Nest.js) to deliver high-performance and scalable solutions.

## EDUCATION

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- **University of Minho** Guimarães, Portugal  
*Master in Telecommunications and Informatics Engineering* Sep. 2021 – Sep. 2023
- **University of Minho** Guimarães, Portugal  
*Bachelor in Telecommunications and Informatics Engineering* Sep. 2018 – Jun. 2021

## PROGRAMMING SKILLS

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- **Programming Languages:** Typescript, Javascript, Java, Python
- **Technologies:** React, Angular, Next.js, React Native, Express.js, Nest.js, Sass, TailwindCSS, styled-components, Storybook, REST, GraphQL, Git, Docker

## EXPERIENCE

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- **CCG/ZGDV Institute** *May. 2024 - Present*
  - **Fullstack Development:** Led the development of cutting-edge applications, promoting best coding practices, and streamlining workflows with tools such as Git. Ensured code quality, scalability and efficiency through close collaboration with cross-functional teams.
  - \* **Desk Booking Platform:** Developed an application to streamline and manage desk reservations in a hybrid working environment. The platform provides a matrix-based interface for users to view daily desk availability and modify existing bookings. It also integrates an interactive building map, allowing users to visually locate specific desks and check their availability. Technologies used: Angular, RxJS, Leaflet, TailwindCSS.
  - \* **HFPT Low Code Form Platform:** Developed a low-code smart forms application for the Health from Portugal (HFPT) European agenda, based on the Fast Healthcare Interoperability Resources (FHIR) medical data standard. The platform enables the efficient creation and management of healthcare forms. Technologies used: React, TailwindCSS, Redux, Redux Saga.
- **Who-Knows** *Apr. 2022 - May. 2024*
  - **Ubiwhere:** Worked with Ubiwhere on several projects, taking on different roles. Many of these projects involved international partners as part of European initiatives. Assisted in technology and architecture decisions to improve performance while aligning with company standards.
  - \* **Electric Grid Management Platform:** Developed a React-based application to manage power networks within industrial facilities. The platform displayed real-time telemetry data via WebSockets, allowing users to effectively monitor and control the power infrastructure. Also built a backend prototype to test core platform logic and reduce application complexity. Technologies used: React, Nest.js, TailwindCSS, MUI, Redux, Redux Saga.
  - \* **TurGranada:** Developed an integrated solution for Granada that included a responsive website and interactive map. I focused on integrating a robust CMS that dynamically loads comprehensive city information - including points of interest, events, accommodation and restaurants - with custom blocks to enhance functionality. This solution, now used in the tourist information centres, attracts more than 10,000 visitors a month and helps travellers plan their trips and fully experience the city. Technologies used: Next.js (App Router), TailwindCSS, Mapbox, Zustand.

- \* **Urban Platform:** Developed a platform to easily manage a city, receiving different types of data and analytics to provide real-time updates on its current status (e.g. parking, air quality, etc). My focus was on improving existing functionalities and creating new verticals to add more types of data to the platform. Technologies used: React, Redux, Deck.gl, styled-components.
- \* **WOSUP:** Developed a platform designed for ships to collect marine debris, taking full responsibility for the architecture and selection of frontend libraries. Oversaw code quality by reviewing pull requests and resolving merge conflicts. Also wrote documentation detailing the frontend design and implementation approach. Technologies used: React, MUI, Redux, Redux Saga.
- \* **5GaaS:** Developed a platform that acts as a marketplace for the purchase of 5G network slices, using smart contracts to validate payments. Focused on implementing new features to improve user experience and overall usability. Technologies used: React, Mapbox, MUI, Redux, Redux Saga.

## • DigitalSign

*Frontend Developer Intern*

*Jun. 2021 - Oct. 2021*

- **Frontend Development:** Gained hands-on experience in web development by working with HTML, CSS, JavaScript and Express.js. Contributed to frontend development tasks using Jira, assisting in the creation and enhancement of user interfaces while building a foundation in modern web technologies. Technologies used: HTML, CSS, JavaScript, Express.js.

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## LANGUAGES

- **Portuguese:** Proficient
- **English:** Proficient
- **Spanish:** Upper Intermediate

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## HOBBIES

I have been a fan of electronic music since I was 13 years old. This passion led me to start writing articles and conducting interviews with different artists in the electronic music scene in 2018. Over time, I developed a strong expertise in music journalism, writing and publishing engaging content for Melodic Diggers, where I focused on exploring different genres, trends and artist profiles. I also complemented my passion for music by managing the Ritmo Futuro record label. There I oversaw artist relations, release planning and marketing, ensuring a consistent output of high quality releases while balancing creative vision with operational execution. In addition to my musical endeavours, I have a strong passion for astrophysics, a field I continue to learn about and explore with curiosity and enthusiasm.