Rodrigo Martins Marcelino

São Paulo, SP, Brazil | 28/02/2002

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EDUCATION

Electrical Engineering at **UNESP - Guaratinguetá**   2021 – 2025

WORK EXPERIENCE

Software Engineer Analyst at Casa dos Ventos   Jan 2026 – Present

- Promoted to a full-time position, taking increased responsibility in the development and maintenance of the Energy Trading and Risk Management (ETRM) platform.

Software Engineer Intern at Casa dos Ventos   Jan 2025 – Jan 2026

- Developed core functionalities for the company's Energy Trading and Risk Management (ETRM) platform, focused on managing energy contracts across both the free (ACL) and regulated (ACR) energy markets.
- Participated in system modeling using UML and prototyped user interfaces using Figma, collaborating with multiple internal teams.
- Implemented both the backend (Node.js) and frontend (Next.js), integrated with multiple external APIs and deployed on Google Cloud Platform (GCP).

PROJECTS

Bus Terminal Management App   Link to Demo (Low-Code)

Developed initially as a low-code prototype during my undergraduate studies, this project later evolved into a software solution that became the central component of my Graduation Project. Designed and built a RESTful API to manage core facility operations, enabling real-time monitoring of occurrences and status tracking of critical terminal equipment.

EXTRACURRICULAR ACTIVITIES

Volunteer Tutor – Mathematics and Physics   2023

Volunteered as a tutor in the University's Entrance Exam Preparatory Program, conducting weekly mathematics and physics sessions for high-school students from diverse backgrounds.

SKILLS

Computer Languages	Typescript, SQL, Java, Python, C, MATLAB
Frameworks and Tools	Node.js, Next.js, PostgreSQL, Figma, Git, GCP, Docker
Agile Methodologies	Scrum
Languages	Portuguese, English, French