

# João Guilherme De Nigris Marcos

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GitHub: <https://github.com/joao-gui-marcos>

Portfolio: <https://joao-gui-marcos.github.io/>



## Education

2022 - Studying	Full-Stack Software Development - Trybe
2021 - 2022	MBA in Digital Marketing - Lato Sensu - 4U EdTech - SP/Brazil
2018 - 2021	Specialization in Biomedical Engineering - Unicamp - SP/Brazil
2015 - 2020	Bachelor's Degree in Electrical Engineering - Unicamp - SP/Brazil

## Experience

- 2022 - Trybe - Software Engineering** - Belo Horizonte, SP  
*Full Stack Web Development Student*
- 1500 hours of training covering web development fundamentals, front-end development, back-end development, computer science, software engineering, agile methodologies, and soft skills.
  - Check out my GitHub repository that contains all the studied content.  
Link: <https://github.com/joao-gui-marcos/trybe-course>
- 2021 - Legends of Learning** - Washington D.C, USA  
*Software Developer*  
Curriculum-aligned, math and science games created to engage students and assist teachers using hybrid learning, blended learning & distance learning models.  
Main activities:
- Development of educational software for the company's platform.
  - Conceptualized, developed and tested HTML applications using JavaScript and game engines, including core functionality and user interface.
  - Designed and developed according to specific guidelines and concepts: technical requirements, key features using provided SDKs, testing and submission.
  - Ensured project completion within schedule and worked with the support team to ensure continuous improvement.  
See my portfolio here: <https://joao-gui-marcos.github.io/>
- 2021- 2022 Maxflow BVBA** - Lovaina, Belgium  
*Software Developer*
- Activities similar to the previous item.
- 2021 - 2021 Web Entertainment LTD** - Hong Kong, China  
*Software Developer*
- Activities similar to the previous item.
- 2020 - 2021 Siemens** - Jundiaí, SP

### *Project Management Intern*

Participant of the Talent Development Program at Siemens. Working in the Project Management area, in the Digital Grid sector, where I was able to support the software projects of the Grid Control & Grid Application unit, including the following activities:

- Training on project management, planning, governance, quality and agile Scrum methodology.
- Project management for softwares for power flow control in substations and transformer sizing.
- Management of defects in project code.

**2015 - 2021**

**UNICAMP - Campinas, SP**

*Electrical Engineering/Biomedical Engineering*

Certificate of specialization studies in Biomedical Engineering. Postgraduate courses taken concurrently with undergraduate courses in Electrical Engineering. Relevant projects include:

- Hospital Engineering - Application for Analysis of Effective Coverage Area in Computed Tomography: The application aims to interactively analyze the actual coverage area per rotation of different computed tomography devices on the market and create a customized database.
- Rehabilitation Engineering - Application for Study and Implementation of Digital Physiotherapy for Stenosing Tenosynovitis: This application aims to simulate digital exercise for the rehabilitation of stenosing tenosynovitis.

### **Stacks / Languages**

Languages:

Version Control:

Front-End:

- libraries:

- frameworks:

- application routing:

- state management:

- unit tests:

Back-End:

- restful APIs development:

- relational databases:

- non-relational databases:

- unit tests:

- containerized app development:

- deployment:

• Python

• Git

• React.js

• Bootstrap

• React Router

• Redux

• Jest

• Node.js

• MySQL

• MongoDB

• Mocha

• Docker

• Railway

• JavaScript

• GitHub

• Express

• ORM - Sequelize

• ODM – Mongoose

• Chai

• Sinon

• TypeScript

• HTML5

• CSS3

• ContextAPI

• WebStorage

• React Testing Library

### **Languages**

• English - Advanced

• Spanish - Basic

• Portuguese - Native

### **Diplomas & Courses**

- First Certificate in English, FCE, issued by Cambridge University, November 2012
- Exchange held at the University of Cambridge, July-August 2012
- Electrical Installations Workshop, certificate issued by The Senai Campinas School-SP, May 2015
- Technical Design, certificate issued by Senai Campinas School-SP, June 2015
- Mechanical and Tooling Workshop, certificate issued by Senai Campinas School, November 2016