



Marco Di Toro

Telecommunications technician

Summary

Software Engineering student at Inatel (7th semester) and Telecommunications Technician with hands-on experience in software development and testing.

In my current role, I develop backend solutions using C# (ABP Framework) and frontend applications with Blazor, while also performing automated testing with Selenium and Postman.

I am a proactive, fast learner, always seeking to expand my skill set—currently studying Next.js to enhance my frontend capabilities.

Contact

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Languages


Portuguese (native)

English (fluent)


Skills

 **Frontend** - Blazor, NextJS, Typescript, React

 **Backend** - C#, Python, NodeJS

 **DevOps** - Docker, AWS, Kubernetes, Jenkins

 **QA** - Cypress, Postman, Selenium

 **DB** - MySQL, MongoDB

Professional experience

 **Internship** - current
Von Braun Research Labs

🕒 04/2025 - current

Developing robust backend services with **C#** and the **ABP** framework, applying **Domain-Driven Design** principles for creating and managing database entities. Building dynamic and responsive front-end interfaces using **Blazor** and Conducting API testing with **Postman** and automated tests with **Selenium**. Participating in an Agile/Scrum environment, contributing to sprint planning, daily stand-ups, and retrospectives.

 **Internship** - 8 months
WatchGuard Technologies

🕒 09/2021 - 06/2022

Developed **Python**-based solutions within an **AWS** microservices architecture, utilizing services such as Lambda, SNS, SQS, S3, and CloudFront.

Acquired extensive hands-on experience in a professional Agile/Scrum environment while working with an international team, building a solid foundation in software development practices.

Projects

Inatel Pixel Forge - Fetin 2025

Web-based educational platform for students of Computer Graphics and Linear Algebra. Developed for a university professor to be used in class as a teaching aid.

Built using **TypeScript**, **p5.js** for **WebGL** graphics, **Next.js** for server-side rendering and routing and **Vite** for optimized build process.

Currently being developed as my capstone project.

Graduation project - PROJETE VRTL 2020

Convolutional Neural Network QA system for factory environments, simulated using the Unity engine, where products are analyzed in real time and processed by a custom-trained **CNN** to detect defective items, enabling automated sorting and cataloging. A **Flask** server handles communication between the **Unity** simulation and the ML model. With data stored in a **SQLite** database, being presented through **Excel** dashboards featuring tables and graphs for analysis and auditing.

Smart Baropodometer - PROJETE 2019

System for gait analysis using pressure sensors, **Arduino**, and **Raspberry Pi**. Features a **Flask** web server for real-time data visualization and pattern analysis. Developed with guidance from biomedical engineering professors. And recipient of the Excellence in Healthcare Technology Award

Education

(ongoing)

Bachelor's Degree in Software Engineering

National Telecommunications Institute - Inatel

Santa Rita do Sapucaí - MG - Brazil

🕒 01/2021 - Current



Telecommunications technician

Francisco Moreira da Costa - ETE FMC

Santa Rita do Sapucaí - MG - Brazil

🕒 01/2018 - 12/2020