

Marco Di Toro

Telecommunications technician

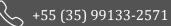
(i) Summary

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



marco.renzo@ges.inatel.br

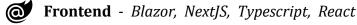


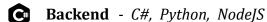
🖎 Languages





Skills





DevOps - Docker, AWS, Kubernetes, Jenkins

QA - Cypress, Postman, Selenium

DB - MySQL, MongoDB

Professional experience

Internship - current

① 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 2 WatchGuard Technologies

① 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)

Inate | Bachelor's Degree in Software Engineering

National Telecommunications Institute - Inatel

Santa Rita do Sapucaí - MG - Brazil

① 01/2021 - Current



Telecommunications technician

Francisco Moreira da Costa - ETE FMC Santa Rita do Sapucaí - MG - Brazil

① 01/2018 - 12/2020