

Pedro Carneiro Pizzi

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Professional Portfolio: www.pedropizzi.com

Professional Summary

Computer Engineer with **five years of professional experience, including four years as a software developer**, working on high-criticality systems, regulated environments, and **international teams**.

At GE Aerospace, **led the modernization of a backend system serving 1,000+ users**, eliminating around 800 security vulnerabilities through a technology migration, clean code practices, and structured technical documentation.

International academic and professional experience in Spain, including a **merit-based Santander Open Academy scholarship**. **Final Graduation Project focused on LLM fine-tuning for DDoS attack detection**.

Professional Experience

DUONEX – December 2025 – January 2026

Full Stack Developer – Temporary Contract (Spain)

- Development of new features for existing applications
- Hybrid work model, fully Spanish team
- Architecture based on Clean Architecture and Domain-Driven Design (DDD)

Tech Stack: Node.js, TypeScript, AdonisJS, Angular, MySQL, CI/CD, RxJS, Pipes, Reactive Forms

GE Aerospace – May 2025 – August 2025

Full Stack Developer

-Full Stack system development using NestJS and Vue.js, focusing on scalability and efficiency, from architecture design to production deployment

-Continuous improvements, system maintenance, solution architecture, and data management using PostgreSQL and SAP Hana

-Implementation of observability with Prometheus and Grafana to identify bottlenecks and apply performance optimizations

Tech Stack: Node.js, NestJS, React.js, Vue.js, Python, AWS, Prometheus, Grafana, SAP Hana, PostgreSQL, Windows Servers, Unit and Integration Testing

GE Aerospace – April 2023 – May 2025

Full Stack Developer Intern

Advice Compliance Solutions – December 2021 – January 2023

C# Developer Intern

- Development of RESTful APIs using C# and .NET with SQL Server integration
- Optimization of compliance processes for corporate clients
- Development of JavaScript features for existing compliance applications

Tech Stack: .NET, C#, REST APIs, JavaScript

Orange Business Services – November 2020 – November 2021

LDM/NAM Intern

- Management of orders and network deployment projects for the North America region
 - Work within an international team environment
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Education

Bachelor's Degree in Computer Engineering

Federal Center for Technological Education – Celso Suckow (CEFET/RJ)

International Exchange Program (Sep 2025 – Feb 2026) – University of Valladolid, Spain

Selected for Santander Open Academy Mobility Scholarship (2025–2026)

Currently in 10th semester – Expected graduation: July 2026

Selected for an additional exchange cost-assistance scholarship from
CEFET/RJ

Final Graduation Project focused on LLM fine-tuning for DDoS attack detection

Skills

Programming Languages

JavaScript (Node.js, React.js, Vue.js, NestJS, AdonisJS, Angular), C# (.NET),
Python, Java, C

Databases

PostgreSQL, SAP Hana, SQL Server, MySQL, MongoDB

Tools

RabbitMQ, Docker, Git, Swagger, Postman, Insomnia, DBeaver

Methodologies

Scrum, CI/CD

Areas of Interest

System development and architecture, microservices, APIs, Cloud, security,
application performance, system integration, team and project management.

Additional Qualifications

-Full Stack Development Certification with Node.js

-Intensive Cybersecurity Training

-Scientific Research in Generative AI – CEFET/RJ

Languages

- Portuguese: Native
- English: Fluent – Advanced proficiency in international work environments
- Spanish: Fluent – Advanced proficiency after living in Spain for six months
- French: Basic