

Raul Zanardo

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Professional Summary

Frontend, Mobile, and Backend Developer with over 5 years of experience creating digital products for web and mobile. Specialist in **Flutter, React, and NestJS**, with strong focus on **UX/UI, performance, and code quality**.

Working on SaaS products and production applications, actively participating in technical decisions, architecture, and product evolution. Experience in **full-stack development**, from responsive interfaces to scalable REST APIs with **Node.js** and **NestJS**. Background in **industrial automation and electronics**, bringing systemic vision, reliability, and high-level engineering to modern software development.

Experience in **AI-assisted development**, using tools such as **Github Copilot, Cursor, and Windsurf** to accelerate development and optimize productivity. Proficient in **prompt engineering** to maximize efficiency with AI agents in the development cycle.

Key Competencies

- Frontend and Mobile Development (Flutter, React)
 - Backend Development (Node.js, NestJS)
 - Product-oriented UX/UI and usability
 - Scalable application architecture
 - REST API design and development
 - CI/CD and cloud deployment
 - AI-Assisted Development and Prompt Engineering
 - Collaboration with multidisciplinary teams
 - Clean Code, Design Patterns, and best practices
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Professional Experience

Frontend Developer | Petplace

May 2024 – December 2025

Working on the development of **24Pet Shelter**, a SaaS platform for managing animal shelters and protection NGOs.

Key achievements: - Frontend development and evolution using **React** and **TypeScript** - Implementation of accessible, responsive, and performant interfaces - Optimization of critical flows for non-technical users, improving system usability - Close collaboration with product, QA, and DevOps teams in an agile environment - Integration with **CI/CD pipelines on Microsoft Azure** - Active participation in code reviews and definition of frontend standards

<https://www.24pet.com/products/24petshelter>

Flutter Developer | MyOrbit

May 2024 – December 2025

Development of the **MyOrbit** application, focused on relationship management and social circle organization with strong emphasis on privacy.

Key achievements: - Mobile development with **Flutter/Dart** for Android and iOS - Direct participation in product conception and technical decisions - Implementation of complex UX/UI flows in collaboration with design - **Backend development with NestJS/TypeScript**, creating scalable REST APIs - Design and implementation of database models and business

logic - Authentication, authorization, and security best practices - Application of **clean architecture** and design patterns for scalability - Strategic involvement in product evolution

<https://www.myorbit.chat>

Flutter Developer | Pensenova

October 2020 – May 2024

Technical leadership in the development of mobile applications for industrial automation.

Key achievements: - Complete development of Flutter applications, from conception to publication - Creation of the **CoPal** application, used for parameterization and control of industrial robots - Design and implementation of UX/UI focused on industrial environments - Ensuring high performance and reliability in critical systems - Integration between mobile software and automation hardware (IoT) - Close collaboration with engineering and automation teams

<https://apps.apple.com/br/app/copal/id1660752505>

Automation Developer | Nova Tecnologia

October 2014 – April 2018

- Development of industrial automation systems with SCADA
 - Programming of industrial robots for painting processes
 - Electrical project design and control panels (EPLAN)
 - Optimization and control of industrial processes
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Electronics Technician | Flex Automation

May 2014 – September 2014

- Maintenance and assembly of electronic boards (SMD and PTH)
 - Management of the home automation maintenance sector
 - Testing, quality control, and fault diagnosis
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Automation Intern | Nova Tecnologia

November 2012 – October 2013

- Development of control systems for building automation
 - Implementation of energy efficiency solutions
 - Technical support in industrial projects
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Education

Control and Automation Engineering

IFSP – Federal Institute of São Paulo
2009 – 2019

Electronics Technician

ETEC Professor Aprígio Gonzaga
2007 – 2008

Courses and Certifications

- Google UX Design Certificate – Coursera (2024)
 - Flutter Provider Essential Course – Udemy (2024)
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Technologies

Mobile:

Flutter • Dart • Android • iOS • Provider

Web & Backend:

React • TypeScript • JavaScript • HTML • CSS • Node.js • NestJS • REST APIs

Cloud & DevOps:

Microsoft Azure • CI/CD • Git • GitHub • Docker

Other Technologies:

Python • C/C++ • Bash • Arduino • PlatformIO • Linux

Tools:

VS Code • Android Studio • Xcode • Figma • EPLAN

AI & Productivity:

GitHub Copilot • Cursor • Windsurf • Prompt Engineering • AI-Assisted Development

Languages

- Portuguese: Native
- English: Advanced