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

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

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

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

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)

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

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Languages

- Portuguese: Native
- English: Advanced