



Rafael Soares Duarte

FULL-STACK DEVELOPER | AI & AUTOMATION

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PROFILE

Full-stack developer who builds and ships AI-powered products in production: autonomous agents, SaaS platforms and e-commerce automation. Owns work end to end, from database to deployment, and designs automation that keeps humans in control of high-impact decisions. Hands-on with Vue, React, .NET, Python, PostgreSQL and LLM APIs (OpenAI, Claude). Selectively open to roles in Portugal or remote.

EXPERIENCE

Creator & Developer, RF Nation

Jul 2026 – Present

AI customer-support and operations platform for Shopify stores · In production with real clients · Under active development · [GitHub](#)

- Designed and built end to end an autonomous email agent: reads the inbox, classifies intent with OpenAI models, analyses customer photos, checks real order data, and drafts and sends replies. 20+ flows (refunds, returns, delays, wrong addresses) modelled as state machines.
- Worked with 10+ real clients with Shopify stores to date; the platform keeps evolving with their feedback. Human-in-the-loop by design: anything with financial impact needs explicit approval, enforced at permission level.
- React 19 / TypeScript dashboard (~40 pages) on a FastAPI API (~200 endpoints per store), with AI cost and token telemetry, agent health monitoring and continuous quality testing of agent output on real cases.
- AI-generated product catalogue from images; maintenance copilot with planning mode and audit log; TOTP 2FA and role-based access; deployed on a Hetzner VPS (Caddy, systemd, Tailscale).

Python · FastAPI · SQLite · React · TypeScript · Tailwind · OpenAI API · Claude Agent SDK · Shopify API

Full-Stack Developer (Freelance), Guava

Jun 2025 – Oct 2026

Formerly Pick & Pay App S.L.U., Barcelona · Remote · Hospitality SaaS ·

[Recommendation letter](#)

- Worked across the full stack of a multi-tenant SaaS in production with a distributed team (Git, Bitbucket, Docker): Vue 3 / TypeScript, .NET 7 / C#, EF Core, PostgreSQL; ~425 commits across 5 repositories in 16 months.
- Owned user and venue onboarding, the interactive in-app tutorials, the Stripe payments and subscriptions integration, and the global supplier module.
- Integrated VAPI (voice AI), Google Places and Business Profile, Meta Marketing API, Apple and Google Wallet; maintained 4-language localisation.

E-commerce Operator, Shopify

2025 – Present

- Launched and run 5+ stores with over €80k in gross revenue (before costs): setup, payments, suppliers, support. Mentor other entrepreneurs in dropshipping.

SELECTED PROJECT

GM HelpDesk, ticketing & IT inventory platform

2025

Final course project (PAP), solo · Graded 20/20 · [GitHub](#)

- Complete web app for a school's IT support: ticketing, maintenance workflow, 14-type hardware inventory, role-based access, email notifications; 88-table database. PHP 8, MySQL, JavaScript, Bootstrap.

10+

clients served with
Shopify stores

20+

AI agent flows in
production

~425

commits on a
production SaaS

18.3

final grade, 20/20
on PAP

SKILLS

AI & Automation

LLM integration (OpenAI, Anthropic Claude), AI agents with human-in-the-loop, tool integrations, AI quality testing and evaluation, multimodal image analysis, intent classification, n8n, voice AI (VAPI), AI cost monitoring and observability

Frontend

Vue 3, React, TypeScript, Tailwind CSS, Vite

Backend

C# / .NET 7, Python (FastAPI), PHP, REST APIs

Data

PostgreSQL, EF Core, SQLite, MySQL

Integrations

Stripe, Shopify Admin API, Google APIs, Meta Marketing API

Tools & Infra

Git (Bitbucket), Docker, pgAdmin, Hetzner VPS (Linux, Caddy, systemd), Tailscale, Playwright

EDUCATION

Technical Course in IT – Systems

Agrupamento de Escolas Dr. Ginestal Machado, Santarém

2023 – 2025 · Final grade 18.3/20

Internship 20/20 · Databases 18 · Mathematics 18

LANGUAGES

Portuguese – native

English – professional working proficiency (B2)