

Paulo Souza

Full Stack Developer — Python / Django

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Availability: On-site, hybrid, or remote — open to relocation anywhere in Brazil.

PROFESSIONAL SUMMARY

Full Stack Developer who independently built and maintains three applications in production with real users, including a multi-tenant SaaS with a paying client (Python, Django, DRF, PostgreSQL, Docker, AWS). End-to-end ownership: from data modeling to deployment, with CI/CD, automated testing, and cloud infrastructure. Fluent English with four years of professional experience in Ireland.

PRODUCTION PROJECTS

Barber Cashflow — Barbershop Management SaaS

2025 – Present

Personal product · Built, deployed, and maintained entirely by me · 1 paying client in production

▶ **Full system walkthrough (demo video):** <https://www.youtube.com/watch?v=r9bsFbj2Nde>

- Built the full platform in Django, from data modeling to deployment, currently live with a paying client.
- Architected multi-tenant isolation per barbershop, allowing multiple clients to operate on the same instance without data leakage.
- Built REST APIs with Django REST Framework and JWT authentication, consumed by the front-end and PWA.
- Wrote an automated test suite with pytest (**+4,000 lines**), covering multi-tenant API isolation, financial logic, commissions, soft delete, and REST endpoints.
- Modeled the financial engine: net/real profit calculation, per-barber commission tracking, and payment reconciliation (cash, PIX, card).
- Maintain the production infrastructure with Docker, Nginx, and Cloudflare, with continuous uptime.
- Live with a paying client managing 5 barbers: **+5,300 sales recorded and +R\$194K processed** in ~7 months of operation.

Açaí Delivery Management System — Django + CI/CD

2026 – Present

Application built by me, in production and in daily use by staff in a real establishment's operation

- Built a complete management system (orders, daily cash closing, expenses, stock checks, and reports), reducing daily cash closing from ~1 hour to ~10 minutes, with stock control and sales visibility by product, liters, and peak hours.
- Implemented a CI/CD pipeline with GitHub Actions: lint (Ruff), ~296 tests (pytest) against a real PostgreSQL and an 80% coverage gate, with deployment blocked until CI passes and branch protection on main.
- Automated daily PostgreSQL database backups (pg_dump, gzip, upload to Google Drive via rclone) with automatic retention, in a scheduled workflow independent of the application.
- First week of the orders module in production: **+115 orders and +R\$4.6K recorded**.

Study Management Web Platform — AWS Infrastructure & Deployment

2026 – Present

Web application built by me, in production and in daily use by an active user

- Set up and manage the application's entire production infrastructure on AWS: EC2 Linux instance, IAM with MFA, Security Groups, and SSH administration, with deployment via Docker, Unicorn, and Nginx (reverse proxy) and DNS via Cloudflare.
- Migrated the application and PostgreSQL database from Render to AWS, with full production validation and detailed infrastructure documentation.

PROFESSIONAL EXPERIENCE

Operational Supervisor — Spar (Ireland)

Sep 2022 – Feb 2026

- Led and trained store team, with responsibility for operational and financial control in an international English-speaking environment.

TECHNICAL SKILLS

Languages & Frameworks: Python, Django, Django REST Framework, JavaScript, HTML, CSS, Bootstrap.

Databases: SQL, PostgreSQL, SQLite.

Infra & DevOps: AWS (EC2, IAM, Security Groups), Docker, Linux, Nginx, Unicorn, Cloudflare, Git, GitHub Actions (CI/CD), pytest (automated testing), Ruff.

Concepts: REST APIs, JWT Authentication, SaaS Multi-Tenant Architecture, Progressive Web Apps (PWA), API Integration.

EDUCATION

Systems Analysis and Development (Associate Degree) — Completed, Brazil

2020 – 2022

Computer Science (BSc) — Partially completed, Ireland (2 years of credits)

2024 – 2026

Languages: Portuguese — Native · English — Advanced (4 years of professional and academic experience in Ireland)