JOÃO PAULO

FULL STACK DEVELOPER

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PROFESSIONAL SUMMARY

Full Stack Developer focused on Python back-end. As a freelancer at Salescope, built the Bling and Mercado Livre API integrations and the sales audit pipeline (FastAPI, PostgreSQL and React). Creator of MoneyLens, a personal finance application in production built with FastAPI, React, PostgreSQL and a PyTorch machine learning model, covered by more than 700 automated tests.

TECHNICAL SKILLS

Back-end and data: Python, FastAPI, SQLAlchemy, Alembic, Node.js, REST APIs, OAuth 2.0, third-party API integrations, PostgreSQL, MySQL, data modeling, Object-Oriented Programming and Master/Detail architecture.
Front-end: HTML, CSS, JavaScript, TypeScript, React, TanStack Query and Router and Tailwind CSS.
Machine learning: PyTorch and ONNX Runtime.
Testing and tools: Pytest, Vitest, Playwright, Git, GitHub, GitHub Actions and uv.
Deploy and cloud: Docker, Caddy, Render, Cloudflare Workers and Supabase.

PROFESSIONAL EXPERIENCE

SALESCOPE | Feb/2026 – Jun/2026

Full Stack Developer | Freelance | Remote

- Multi-tenant SaaS platform that audits marketplace sales, integrated with the Bling ERP and Mercado Livre: FastAPI and PostgreSQL back-end, Python extraction worker and React + TypeScript front-end.
- Integrations with the Bling and Mercado Livre APIs using OAuth 2.0 (PKCE and state validation), with multi-tenant support. Author of 7 of the 14 back-end endpoints and 7 of the 18 tables, plus all Alembic migrations.
- Audit pipeline that checks shipping, commission, fees, discounts and bonuses of each order against the Mercado Livre calculation engine and flags discrepancies, with a 30-day sync window, invoice (NF-e) extraction and database upserts.
- Resilient consumption of external APIs (retries with exponential backoff and HTTP 429 rate-limit handling) and order/items (Master/Detail) modeling with improved database connection management.
- Front-end with the integrations page, a sale details modal showing validation status and discrepancies, and dashboard filters; deployed with Docker and Caddy.

PROJECTS

MONEYLENS | 2026

Full stack personal finance application | Personal project, in production | github.com/Gattts/MoneyLens

- Built a multi-user app end to end: Python back-end (FastAPI, SQLAlchemy, Alembic and PostgreSQL with row-level security on Supabase) and React + TypeScript front-end, deployed on Render and Cloudflare.
- Parsing of credit card statements and bank statements in PDF (Inter, Nubank and PicPay) with automatic total checks and rules that learn how to categorize transactions.
- Monthly spending forecast with a neural network trained in PyTorch and served with ONNX Runtime, plus per-category spending limit alerts.
- More than 700 automated tests (Pytest, Vitest and Playwright) and GitHub Actions CI running the suite on SQLite and PostgreSQL.

EDUCATION

Technologist Degree in Systems Analysis and Development | Universidade Estácio de Sá
Jul/2024 – Dec/2026 | Expected completion: Dec/2026

LANGUAGES

Portuguese: native. **English:** advanced (conversational).