Leonardo Gotardo

Backend Python & React Developer

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Summary

Backend Python and full-stack React developer with an embedded Linux/IoT background, shown in noHarm (in production on AWS with Terraform), PiTest (Raspberry Pi hardware) and MainDug.

Experience

Software Developer, IrisPay – Londrina, Brazil — Sept 2024 – present

- Work with embedded Linux on unattended Raspberry Pi devices, Python hardware services, FastAPI/Flask APIs, over-the-air updates, and maintenance of a legacy PHP (Yii2) platform.
- Rely on watchdogs, automatic rollback and state that survives reboot, since devices have no screen access and the network is unreliable.
- Learned to isolate each layer (hardware, serial, network, OS) and prove where a failure happens before fixing it.

Partner, TLG-Web-Dev — Apr 2026 – present

- One of the partners of a small web development studio; 1 paid client, GP Barril.
- GP Barril site (Next.js; 37 of 82 commits mine): locked the Image Optimizer to 3 hosts, closing an open-proxy hole; rate-limited the contact form to 3 sends per IP per 10 minutes.

Service Desk, Persis Internet – Londrina, Brazil — July 2023 – Mar 2024

Regional ISP.

- Solved internet and network problems from ambiguous descriptions by non-technical customers; turned recurring issues into feedback.

Projects

noHarm — Dec 2025 – present

Addiction-recovery support app, live with a few beta testers.

- Backend (173 of 184 commits): FastAPI, Clean Architecture, JWT rotation with blacklist, Socket.IO chat, AES-256 field encryption, three-layer Redis rate limiting; 1,170 pytest test cases.
- Runs in production on AWS with Terraform and GitHub Actions.
- App (77 of 89 commits): React (JavaScript), Vite and Capacitor for Android and iOS; 226 Playwright runs across mobile and desktop projects.

PiTest — June 2026 – present

Raspberry Pi 3B hardware test bench.

- Runs on every boot with no keyboard or SSH: 7 automatic hardware tests, results kept per board (MAC address) in a Flask/PostgreSQL web dashboard.

MainDug — Dec 2024 – present

Open-source password manager, IFPR final-year project.

- Flask/PostgreSQL webservice and browser extension; Argon2, reused and leaked-password detection, 67 pytest test functions, GitHub Actions CI.

Grimório de Venetia — June 2026 – present

D&D 5.5 character creator.

- React, TypeScript, Capacitor Android app; 333 Vitest tests, 108 Playwright runs.

Custom Thread — June 2024 – present

Python library on PyPI.

- Extends threading.Thread with return values, exception propagation and callbacks; zero dependencies, MIT.

Skills

Programming: Python, TypeScript, JavaScript, PHP, SQL, Bash, C

Backend/Data: FastAPI, Flask, Laravel, Next.js, SQLAlchemy, Socket.IO, PostgreSQL, Redis

Frontend/Testing: React, Tailwind CSS, Capacitor, pytest, Playwright, Vitest

DevOps/Embedded: Docker, Terraform, AWS, GitHub Actions, systemd, GPIO, LUKS

Languages: Portuguese (native), English (full professional proficiency)

Education

IFPR (Instituto Federal do Paraná), Analysis and Systems Development (Tecnólogo) – Londrina, Brazil — Apr 2022 – July 2026