Lucas Leandro Hemkemeier

Junior Back-end Developer | Python | Django | PostgreSQL
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SUMMARY

Sole developer of Origetec's production management system, used daily by more than 30 people, from the data model to deployment. Back-end focus with Python, Django, Django REST Framework, PostgreSQL, Docker and CI/CD. Open-source contributor to timezonefinder (more than 5 million monthly downloads on PyPI).

PROFESSIONAL EXPERIENCE

Full-Stack Developer (Back-end focus) — Origetec, Araquari, SC, Brazil | 05/2026 – Present

- Automated sales proposal generation: issuing a proposal dropped from about 4 hours to 10 minutes; 95% of proposals since 08/2026 go through the system, which replaced spreadsheets and a legacy system.
- Built the REST API in Python with Django REST Framework, JWT authentication and business rules in a service layer.
- Integrated the system with the legacy ERP through a dedicated API, synchronized through an asynchronous queue (separate worker).
- Modeled the PostgreSQL database with constraints and eliminated a race condition in proposal numbering with transactional locking (select_for_update).
- Set up CI/CD on GitHub Actions with automated tests (pytest), Docker images on GHCR and merges only through pull requests with passing CI.
- Run production on Linux with Docker Compose, Nginx, Cloudflare Tunnel and Sentry; front-end in Next.js, React and TypeScript.

Industrial Apprentice (Logistics) — Tupy, Joinville, SC, Brazil | 03/2026 – 05/2026

PROJECTS

Racha API — REST API for sports court booking | https://racha.hemk.dev/api/docs/

Python, Django REST Framework, PostgreSQL, JWT, Docker, GitHub Actions — https://github.com/hemkdev/racha-api

- Production API with OpenAPI (Swagger) docs, JWT, pagination and filters; PostgreSQL constraints prevent double booking, and multi-slot orders are confirmed in a single atomic transaction.
- Database and API tests; CI (lint, tests, Docker build) required to merge; Docker deployment on a Linux VM.

OPEN SOURCE

timezonefinder — https://github.com/jannikmi/timezonefinder

- 4 merged pull requests and 2 resolved issues; automated the data update pipeline, with automatic pull requests and merges when CI passes.

TECHNICAL SKILLS

Languages: Python, SQL, TypeScript, JavaScript, PHP | **Currently learning:** Java, Spring Boot
Back-end: Django, Django REST Framework, REST APIs, JWT, ORM, OpenAPI/Swagger, asynchronous queues
Databases: PostgreSQL, MySQL, relational modeling, migrations, transactions, concurrency control
Testing & DevOps: pytest, Docker, Docker Compose, CI/CD, GitHub Actions, Nginx, Linux, Sentry, Git
Front-end: React, Next.js, TypeScript | **Spoken languages:** Portuguese (native), English (advanced, C1)

EDUCATION

BSc in Software Engineering — Católica SC, Joinville, SC, Brazil | 02/2026 – 12/2029 (in progress)
Systems Development Technician — SENAI, Joinville, SC, Brazil | 02/2024 – 12/2025