

Bernardo Micol Righi

Back-End Developer · AI Systems · Tech Influencer

+55 (51) 99601-1501 · bernardomicolrighi@outlook.com · righi.dev · github.com/righibe
linkedin.com/in/bernardo-righi · lattes.cnpq.br/8608406696939587

ABOUT

Back-end developer with 2 years of experience in Python, AI, and automation. Researcher at Unisinos in partnership with Dell, focused on LLM agent observability using LangChain and OpenTelemetry. Co-founded the [Servidor dos Programadores](#), one of the top-6 dev communities in Brazil on Discord (18k+ members). I also create content about programming and AI as a tech influencer. Fluent in English.

PROFESSIONAL EXPERIENCE

Researcher — AI Agents & Observability

[Unisinos](#) / [Dell Technologies](#)

Jun 2026 – Present · Remote

- Researching observability patterns for multi-agent systems, studying how to trace behavior, latency, and failures of AI agents in production.
- Investigating strategies to trace tool calls, agent handoffs, and context propagation — project in a research and architecture-prototyping phase alongside the Dell team.

Co-founder & Back-End Developer

[Servidor dos Programadores](#)

Jun 2022 – Present · Remote

- The community was growing fast but losing members due to poor onboarding and moderation — I built Python/Discord.py bots that automated welcomes and technical support, improving retention and reducing the team's manual work.
- As growth accelerated, the infrastructure needed zero-downtime deploys — I set up CI/CD pipelines with GitHub Actions that automatically test and ship updates on every push, eliminating manual deploys.
- Led the organization of technical events with sponsors like Alura, Shard Cloud, and Hostinger, coordinating speakers and live sessions for 18k+ developers.

PROJECTS

CI/CD Pipeline in Python

[Python](#) · [GitHub Actions](#) · [Docker](#) · [Flask](#) · github.com/righibe/ci-cd-pipeline-python

- Situation: no automated testing or deployment process — every update was a production-bug risk.
- Action: built a complete pipeline with GitHub Actions and Docker, running automated tests on every push and deploying to the container only if everything passed.
- Result: eliminated manual deploys and gained the guarantee that only validated code reached the environment.

Housing Price Prediction — São Paulo

[Python](#) · [scikit-learn](#) · [Decision Tree](#) · [Random Forest](#) · github.com/righibe/predict-prices-sp

- Situation: wanted to apply supervised ML to a real problem, moving beyond theory.
- Action: trained and compared Decision Tree and Random Forest with scikit-learn to predict housing prices in São Paulo, analyzing feature importance.
- Result: identified location and square footage as the dominant variables and solidified my hands-on foundation in regression.

People Registry REST API — Java

[Java](#) · [Spring Boot](#) · [JPA](#) / [Hibernate](#) · [Spring Web](#) · github.com/righibe/Cadastro-pessoas

- Situation: I only had Python experience and needed to understand the Java ecosystem.
- Action: built a REST API from scratch with Spring Boot and JPA, following the Controller → Service → Repository flow with DTO and ORM.
- Result: a solid foundation in Java and clarity on the MVC pattern for enterprise projects.

TECHNICAL SKILLS

Languages	Python, Java, C, JavaScript, SQL
AI & Agents	LangChain, LangGraph, LCEL, RAG, LLMs, scikit-learn
Observability	OpenTelemetry, Jaeger, Grafana, agent tracing
DevOps & Infra	Docker, GitHub Actions, CI/CD, Git, Linux
Frameworks	Spring Boot, Django, Flask, Discord.py
Databases	MySQL, JPA / Hibernate

EDUCATION

B.Sc. in Computer Science

[Universidade do Vale do Rio dos Sinos \(Unisinos\)](#) · Feb 2026 – Present · São Leopoldo, Brazil · lattes.cnpq.br/8608406696939587

COURSES & CERTIFICATIONS

Java Marathon (Java Virado no Jiraya) · Python Worlds 1, 2 & 3 · HTML5 & CSS3 (Curso em Vídeo) · DevOps & Python Immersion (Alura) · Design and Social Enterprise HDSE Leadership ([Lehigh University](#))

LANGUAGES

Portuguese — Native | English — Fluent (C1) | Spanish — Intermediate (B1)