

Contact

+5551993227244 (Mobile)
ewurch@gmail.com

www.linkedin.com/in/eduardowurch
(LinkedIn)
parka.cc (Portfolio)
ewurch.github.io (Blog)

Top Skills

System Architecture
SOC 2
Google Cloud Platform (GCP)

Languages

Inglês (Native or Bilingual)
Português (Native or Bilingual)
Espanhol (Professional Working)

Certifications

Machine Learning
Responsive Web Design
The Complete Traefik Training Course
Deep Learning for Coders
Introduction to Credit Risk Management

Eduardo Würch

AI Engineer @ Labrynth | System Architecture, SOC 2
Porto Alegre, Rio Grande do Sul, Brazil

Summary

As an AI Engineer at Labrynth, I design and maintain scalable AI systems that process multimodal data and orchestrate multi-step AI agents. I lead the development of AI agents and workflows for core company products, while building evaluation pipelines to optimize system performance and guide model selection.

I graduated with a degree in Ciências Atuariais from Universidade Federal do Rio Grande do Sul in December 2021. My technical expertise focuses on system architecture, scalable AI solutions, and SOC 2 compliance, complemented by a strong foundation in software engineering and data science.

Experience

Labrynth

AI Engineer

August 2025 - Present (5 months)

San Francisco, CA

- Designed and maintained a scalable AI system that processes unstructured data and orchestrates multi-step AI agents.
- Led the end-to-end development of AI agents and workflows for core company products.
- Built evaluation pipelines to assess agent performance, guiding model selection and system optimization.

Parka

Co-Founder & Technical Leader

July 2024 - Present (1 year 6 months)

Porto Alegre, Rio Grande do Sul, Brazil

- Co-Founder and Technical Leader at PARKA, a software boutique specializing in the full digital product lifecycle.
- Architected and implemented end-to-end digital solutions, enhancing user experience and client satisfaction.

- Developed full-stack applications utilizing Python, TypeScript, Django, NextJS, React, and HTMX.
- Transitioned clients from outdated WordPress sites to modern applications with PayloadCMS, showcasing cutting-edge technology.

Swisscom

Software Engineer

March 2023 - August 2024 (1 year 6 months)

Rotterdam, South Holland, Netherlands

- Design and develop backend APIs and services using FastAPI and Python.
- Test-driven development (TDD) methodology by writing unit tests for all backend code changes, ensuring code quality, reliability, and maintainability.

BoletoFlex

Machine Learning Engineer

October 2021 - July 2022 (10 months)

Florianópolis, Santa Catarina, Brasil

- Created the architecture and implemented a FastAPI microservice to register and validate customer's identities.
- Built an XGBoost machine learning model, that enabled end-to-end credit granting automation, taking the company from 0% to +50% automatic approval and ~0% increase in default rates.

Utilized PyTorch framework to create an internal anti-fraud computer vision algorithm that outperformed market alternatives.

Sicredi

Data Scientist

September 2019 - October 2021 (2 years 2 months)

Porto Alegre, Rio Grande do Sul, Brasil

- Built the first machine learning model for credit granting of the institution, reducing 96% of manual processes on simpler credit operations.
- Created a web app with the Dash framework to enable real-time tracking of default rates when hit by the pandemic.
- Implemented software engineering practices into business team activities (containerization, version control, documentation, etc).
- Took strategic decisions based on context, data, and return.
- Developed metrics, benchmarks credit goals to the institution.
- Implemented software engineering best practices into business activities (process documentation, code version control - git, etc).

Santander Brasil

Risk Analyst

January 2019 - September 2019 (9 months)

Porto Alegre e Região, Brasil

- Created models to determine the impact of defaults in the bank's provision
- Worked in several credit operations analysis
- Supervised Santander's loan portfolio from Rio Grande do Sul and Santa Catarina

Gente Seguradora

Data Analyst

August 2018 - January 2019 (6 months)

Porto Alegre e Região, Brasil

- Developed and implemented KPI's to keep track of the company's products
- Provided statistical information to price insurance premiums
- Created Dashboards for specific departments of the company
- Automated the production of reports and provided a self-service information service

Education

Universidade Federal do Rio Grande do Sul

Bacharelado, Ciências Atuariais · (August 2015 - December 2021)

ISCTE Business School

Exchange Program, International and Monetary Economics · (2017 - 2017)