

Eric Klaus Brenner Melo e Santos

FULLSTACK DEVELOPER / SOFTWARE ENGINEER

Cascavel, PR, Brazil | ericklaus205@gmail.com | github.com/ericklaus16 |
linkedin.com/in/eric-klaus-a40b261b2 | ericklaus16.github.io

SUMMARY

Fullstack developer with experience in React, Python (Docker, SQLAlchemy), and Java (Spring Boot). Currently at Trustworks, building REST APIs and LLM integrations via the Model Context Protocol (MCP), focused on backend development, data integration, and production reliability.

PROFESSIONAL EXPERIENCE

Fullstack Software Engineer — Trustworks

2025 – Present

- Developing and maintaining web applications with React, Docker, and Python (SQLAlchemy), focused on APIs and database integration.
- Designed and shipped a public MCP (Model Context Protocol) server, enabling LLMs (including Claude) to interact with Trustworks' API — including authentication, endpoint coverage, and schema optimization (cut the tools-list payload from 3.5MB to ~0.5MB).
- Architected and implemented the platform's E2E test suite from scratch (Playwright), with multi-role authentication fixtures, reusable helpers, and automated cleanup via API — covering critical processing activities, assets, DSR, and settings flows, with 400+ tests.
- Built end-to-end pre-population for recurring assessments (backend implementation + frontend UI), reducing repetitive work for users.
- Fixed critical production bugs across LGPD/GDPR compliance workflows, including processing activities, assessments, and data subject request (DSR) flows.

Developer — BIT – Junior Enterprise

2023 – 2025

- Collaborated on maintaining a JSF project for a language school, gaining experience in web application development.
- Collaborated on building a project and database modeling for a language school using Next.js and Spring Boot.
- Wrote educational blog posts introducing computing concepts for BIT's blog.

Research Collaborator — UNIOESTE

2023

- Performed data analysis on large volumes of Excel spreadsheets using Python and the Pandas library to extract insights.

EDUCATION

B.Sc. in Computer Science — UNIOESTE

2022 – 2026

SKILLS

Programming Languages

C, C++, Java, Python, JavaScript, TypeScript

Web Development

React, Next.js, Express, HTML, CSS, TailwindCSS, PHP, JSF

Backend & APIs

REST APIs, Python (SQLAlchemy), Docker, LLM integration / MCP (Model Context Protocol)

Mobile

React Native

Databases

MySQL, PostgreSQL

Tools

Git

Languages

Portuguese (native), English (reading, writing, and speaking)

Soft Skills

Proactivity, Communication, Problem-Solving