

Laísa Rio

Full Stack Developer | JavaScript • Python • Cloud • Linux • DevOps

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Professional Summary

Full Stack Developer with 3+ years of experience designing, building, and operating end-to-end software systems. Strong background in JavaScript/TypeScript and Python, with hands-on experience across backend, frontend, DevOps, and system architecture. I have delivered production systems for real businesses, taking full ownership of each project—from requirements and architecture to implementation, containerization, CI/CD, and deployment.

I am passionate about technology and about the ability to transform ideas into working products simply by writing code. I value clean architecture, automation, and reliability, and I thrive in collaborative environments focused on continuous learning and practical impact.

Core Skills

- **Languages:** JavaScript, TypeScript, Python
 - **Frontend:** React, Next.js, SvelteKit, HTML, CSS, Tailwind CSS
 - **Backend:** Django, FastAPI, Node.js, NestJS
 - **Databases:** PostgreSQL, MySQL, MongoDB, Redis
 - **DevOps & Infrastructure:** Docker, CI/CD pipelines, Linux, Git, Cloud & VM deployments
 - **Architecture & Practices:** REST APIs, async processing, clean architecture, repository pattern, dependency injection, RBAC
 - **AI & Automation:** RAG pipelines, OpenAI API integrations, workflow automation
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Professional Experience

Kometro — Full Stack Developer / Software Engineer

Jul 2023 – Nov 2025

- Designed and developed a complete corporate management system with a strong focus on scalability, reliability, and automation of critical business routines.
- Architected and implemented RESTful APIs, reusable frontend components, and asynchronous processing pipelines using Python, Django, Celery, and Redis.

- Led the DevOps setup for the project, including Docker containerization, Git-based workflows, and CI/CD pipelines for automated testing and deployment.
- Built data control, analysis, and visualization features that significantly improved internal operational flows and decision-making.
- Took full ownership of system architecture, infrastructure configuration, and production deployment.

Kometro — Full Stack Developer (Project-based)

Aug 2024 – Sep 2024

- Developed the company's institutional website using Next.js and Tailwind CSS.
- Integrated the website with an existing internal API.
- Managed production deployment and release for the company's digital brand launch.

AM Pneus Distribuidora de Barra Mansa LTDA — Web Developer

Mar 2025 – Jul 2025

- Developed a landing page to present the company's tire catalog and services.
- Implemented dynamic product listings and detailed product pages.
- Built a filtering system based on tire measurements.
- Structured the project with maintainability and future expansion in mind, including version control and containerized environments.

Hidralpress Hidráulicos e Pneumáticos — Mobile Developer

Jul 2024 – Nov 2024

- Developed a mobile application to automate the maintenance documentation process.
- Implemented automatic image classification by work order, department, and repair stage.
- Reduced manual errors and saved significant operational hours.
- Designed and deployed a Python application running on Linux, hosted on a virtual machine within the company's infrastructure.
- Configured communication between the Linux VM and multiple Windows machines on the internal network for automatic data ingestion.
- Integrated SMB network protocols for file access and processing.
- Architected reliable data processing and storage workflows, ensuring traceability, standardization, and data integrity.

Trybe — Front-End Instructor (Summer Job)

May 2023 – Sep 2023

- Provided technical mentorship to students in React, Redux, HTML, CSS, and Jest.
- Supported students in hands-on projects and problem-solving activities.
- Strengthened communication, teaching, and teamwork skills in a fast-paced learning environment.

Selected Projects

Florg (PyPI Package)

Nov 2025

- Designed and developed a command-line file organizer for batch renaming and structuring files.
- Implemented preview mode and undo functionality to ensure safe operations.
- Architected the project using object-oriented design, type hints, and clean abstractions.
- Managed packaging, versioning, and publication to PyPI.
- Full ownership of development, Git version control, and release process.

Tech Stack: Python (CLI, OOP, type hints)

Intersul Service Manager

Nov 2025 – Present

- Architected and developed a full-stack service management system for copy machine services.
- Implemented automated workflows, client management, role-based access control, and real-time service status tracking.
- Designed a modern, responsive UI with SvelteKit and TypeScript.
- Built a scalable backend with NestJS, following clean architecture principles.
- Containerized the entire system with Docker and implemented CI/CD pipelines for automated builds and deployments.

Tech Stack: SvelteKit, NestJS, TypeScript, Docker

Porteiras Abertas

Purpose:

Platform designed to guide family farmers through the formalization process required to sell to Brazil's National School Feeding Program (PNAE), using AI-driven, step-by-step guidance to reduce bureaucratic complexity.

Technical Architecture:

- **Backend:** FastAPI (async) with MongoDB for flexible document storage. Implemented service layer, repository pattern, dependency injection, and pure functions for core business logic (eligibility calculation, task management).
- **Frontend:** React + TypeScript + Vite, organized by feature-based architecture with custom hooks and Context API for state management.
- **AI / RAG:** Retrieval-Augmented Generation pipeline using OpenAI/Deco APIs. Official documents are chunked, classified, embedded, and stored in MongoDB, enabling semantic search and personalized guide generation.

- **Infrastructure & DevOps:** JWT + OTP-based authentication (SMS mock), S3-compatible storage abstraction (mock/S3/GCS), structured error handling, Dockerized services, Git-based workflows, and CI/CD pipelines.

Key Features:

- Incremental onboarding questionnaire with real-time eligibility calculation.
 - Task-based formalization workflow with blocking requirements.
 - AI-generated personalized guidance based on user profile and official documents.
 - Document upload with validation and direct storage integration.
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Education

- **University of the People** — B.Sc. in Computer Science (2025 – 2029)
 - **Centro Universitário de Volta Redonda (UniFOA)** — B.Sc. in Information Systems (2024 – 2025)
 - **FIAP** — Associate Degree in Cyber Defense (2024 – 2026)
 - **Trybe** — Web Development Program (2022 – 2023)
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Languages

- Portuguese (Native)
- English (Fluent)