

Ana Iara Loayza Costa

Software Developer

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Github: github.com/iaraloayza | Portfolio: iaraloayza.github.io/ | Brazil

Professional Summary

Full-Stack Developer with **over 2 years of experience**, specialized in **PHP/Laravel**, RESTful APIs, and **data analysis**. Skilled in social impact projects in the **public health sector**, focusing on scalable solutions and strategic information. Experienced in technical leadership, mentoring, and project management. Background in **Computer Engineering** and specialization in **DevOps**.

Technical Skills

- **Programming Languages:** PHP, Python, Java, JavaScript, TypeScript, Dart, Julia
- **Frameworks:** Laravel, Flutter, React, React Native, Vue.js, Node.js, FastAPI
- **Databases:** MySQL, PostgreSQL, Firebase, Redis
- **DevOps:** Git, Github, Docker, Linux, Kubernetes, Apache, CI/CD
- **Methodologies:** Scrum, Kanban, Agile, UML, Clean Code
- **Tools:** Figma, Jira, Trello, REST APIs

Professional Experience

Junior Full-Stack Developer

Jan 2024 - Present

State Health Department of Maranhão (SES/MA)

Technologies: Laravel, PHP, SQL (MySQL & PostgreSQL), HTML, CSS, Javascript, Git, Redis, Apache, Linux, Docker, Figma, Trello.

- Developed web systems using Laravel/PHP, implementing 2FA authentication and access control for 50+ users.
- Created RESTful APIs for system integration.
- Optimized SQL queries, reducing strategic report generation time by 40%.
- Implemented Docker containerization, standardizing environments and reducing production bugs.
- Collaborated on prototyping (Figma) and process automation for data interoperability.

Back-End Development & Data Science Intern

Jun 2023 - Dec 2023

State Health Department of Maranhão (SES/MA)

Technologies: PHP, SQL (MySQL & PostgreSQL), Python, Julia, Git, GitHub, Google Sheets, Jupyter Notebook

- Developed and maintained back-end features in PHP with database integration.
- Analyzed and processed large datasets with Python and Julia for epidemiological reports.
- Automated data extraction and organization processes, increasing efficiency by 30%.

Extracurricular Activities

Director of Technical Visits

Jan 2025 - Present

SENGE – Engineering Week of Maranhão

- Coordinated technical visits for 100+ engineering students.
- Managed relationships with multiple partner companies in the industrial sector.
- Planned logistics for large-scale academic events.

Academic Software Engineering Intern

Jun 2025 - Present

DartiLab – UFMA

Technologies: Python, React Native, Firebase, Docker, Kubernetes, FastAPI, RabbitMQ, Git, Github, Linux.

- Migrated a monolithic system to microservices architecture.

- Developed a cross-platform React Native application with Firebase.
- Implemented CI/CD pipeline with Docker/Kubernetes.
- Led code reviews and technical documentation.

Web Developer

Sep 2021 - Jul 2025

Agência ReACT de Marketing Digital (UFMA)

Technologies: PHP, Laravel, PostgreSQL, Next.js, Nest.js, HTML, CSS, Canva, Trello

- Developed and maintained institutional websites using Laravel and Next.js.
- Managed digital content and analyzed performance metrics.
- Collaborated in a multidisciplinary team for digital campaigns.

Software Project & Development Teaching Assistant

Mar 2024 - Jul 2024

Federal University of Maranhão (UFMA)

Technologies: UML, Jira, Google Meet, Metodologias Ágeis (Scrum, Kanban), Padrões de Projeto, Git, Github

- Provided technical mentoring to 30+ Computer Engineering students.
- Created didactic material integrating theory and practice.
- Monitored progress and evaluated academic projects.

Education

Postgraduate – DevOps Engineering

Federal Institute of Mato Grosso (IFMT)

Ongoing | Jun 2025 - Present

Bachelor's Degree – Computer Engineering

Federal University of Maranhão (UFMA)

Ongoing | Mar 2021 - Present

Bachelor's Degree – Science and Technology

Federal University of Maranhão (UFMA)

Completed | Mar 2021 - Oct 2024

Thesis: *Hans+ App – Flutter/Firebase system for leprosy treatment management.*

Languages

Portuguese: Native | **English:** Advanced | **Spanish:** Intermediate

Soft Skills

- **Leadership & Mentorship:** Experience coordinating teams and mentoring 30+ students
- **Analytical Thinking:** Process optimization and data analysis for decision-making
- **Effective Communication:** Presentation of technical projects to diverse stakeholders
- **Adaptability:** Efficient transition across technologies and contexts
- **Results-Oriented:** Proven record of delivering projects with measurable impact