

Lourenço António Dala

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louantonio

louantonio.me

Profile

Software Engineer with a strong focus on Backend, Artificial Intelligence, and Process Automation, experienced in developing scalable solutions, system integration via APIs, data collection and processing, and applying AI to optimize operational workflows and support decision-making. I work across the full lifecycle - from technical design to implementation - with a constant focus on performance, security, traceability, and alignment between technology, business needs, and end-user impact.

Technical Skills

Programming & Query Languages

- JavaScript
- Python
- C & C++
- PHP
- SQL

Backend & APIs

- NodeJS & NestJS
- NextJS
- Rest & GraphQL APIs
- Systems Integration
- Authentication & Authorization

Frontend

- HTML5, CSS3, JavaScript
- ReactJS & React Native
- TailwindCSS
- API Consumption
- Figma

Inteligência Artificial & Dados

- Generative AI API Integration
- Web Scraping
- Web Crawling
- JSON Data Generation & Processing

Ferramentas, Infraestrutura & DevOps

- Git & GitHub
- Bash
- Linux
- Windows (Client & Server)
- Containerization & Deployment
- Postman
- CI/CD Pipelines

Bases de Dados

- Data Modeling & Normalization
- MySQL
- PostgreSQL
- MongoDB
- SQLite
- Prisma ORM

Education

42 Luanda

Software Engineering

2024 - 2026

- UNIX Systems, Shell & Git
- Programming Fundamentals
- Concurrent & Parallel Programming
- Critical & Computational Thinking
- Advanced C & C++ Programming (OOP)
- Data Structures & Algorithms
- Graphics Programming
- Networks & Systems Administration
- Web Development
- DevOps
- Databases & Data Persistence
- Teamwork & Collaboration

Gregório Semedo University

Computer Engineering

2022 - 2024

- Advanced Computing
- Digital Systems
- Programming Fundamentals
- Networking Fundamentals
- Database Fundamentals
- Technical English

GAB do Saber Private Polytechnic Institute

Informatic

2018 - 2022

- Introduction to Computer Science
- Programming Logic
- Introduction to Networking
- Computer Maintenance & Repair
- Introduction to Databases

Languages

- Native Portuguese
- Intermediate English (able for reading, writing, and conversations)

Experience

WhatsApp IA

2025

Software Developer & Co-founder

WhatsApp AI is a chatbot integrated into WhatsApp designed for customer support. It leverages artificial intelligence and a client-managed knowledge base to deliver accurate and timely responses to users.

- I am responsible for the user interface, business logic implementation, and API integrations, as well as the subscription system and access control to platform features.

Mathdes

2024 - 2025

Software Developer

- Responsible for designing and developing internal applications, covering the full development lifecycle—from database modeling and normalization to application architecture and implementation.
- I also apply Artificial Intelligence solutions to internal processes, focusing on performance optimization and improving service quality.

Décimo Inovações

2022 - 2024

Backend Developer

- My responsibilities included the architecture and implementation of internal and external applications, as well as the maintenance and development of new features in existing production systems.
- I also acted as a liaison between the technical team and project managers, actively participating in meetings with stakeholders and clients. This allowed me to deeply understand project needs and challenges, ensuring that the proposed software solutions were fully aligned with the organization's strategic objectives.

Media Guide Agency

2020 - 2022

Fullstack Developer

- My responsibilities covered the full application lifecycle, including planning, development, and maintenance of software solutions. I also worked as an internal and client-facing technical support specialist.



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Portfolio