Lourenço António Dala

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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 observability, and alignment between technology, business needs, and end-user impact.

Technical Skills

Programming & Query Languages

- JavaScript & TypeScript
- 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 — 2024 - 2026
Software Engineering

- 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 — 2022 - 2024
Computer Engineering

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

GAB do Saber Private Polytechnic Institute — 2018 - 2022
Informatic

- 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

Taxi Map — Jan 2026 - Now
Developer & Co-founder

Táxi Map is an Angolan urban mobility platform that simplifies navigation and road mapping through GTFS data, identifying the most suitable candongueiro routes and stops to help users reach their destination, even if they are unfamiliar with the local public transportation system.

- I am responsible for developing and maintaining features on the platform, and I also serve as the official representative of the startup at all events in which it participates.

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.

WhatsApp IA — 2025 - Now
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.

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