

ANDRÉ RAMOS

JUNIOR SOFTWARE ENGINEER | BACKEND DEVELOPER

CONTACTS

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PROFESSIONAL PROFILE

Final-year Software Engineering student (expected graduation June 2026), with a genuine interest in Backend development and software infrastructure. A hands-on, problem-solving oriented individual, seeking a first professional opportunity to consolidate technical foundations and learn from an experienced team.

TECHNICAL SKILLS

Languages & Backend

- Python
- Java
- SQL / PostgreSQL
- APIs (FastAPI)

Infrastructure & Tools:

- Docker / Containers
- Git & GitHub CI/CD
- Linux (Apache/Nginx)

PROJECTS

Park-Ride-Simulator | Java 21, Spring Boot, Microservices

- Engineered a scalable microservices architecture for urban mobility, featuring Service Discovery (Eureka) and API Gateway.
- Implemented Circuit Breakers and fault-tolerance patterns to ensure system reliability and high availability.

SMCTE | Python (Jupyter Notebook), AI (TensorFlow), Data Science

- Developed a satellite collision prediction model using Deep Learning (LSTMs) to analyze orbital trajectory data.
- Built an interactive Streamlit dashboard for real-time visualization of space debris and collision risks.

PraiaFinder | Python, Next.js

- Built a full-stack web application that integrates real-time weather data APIs.
- Developed a recommendation logic to filter and suggest locations based on user preferences and meteorological conditions.

EDUCATION

Polytechnic Institute of Castelo Branco BSc in Informatics Engineering (Computer Science equivalent)
Sep 2022 - Jun 2026 (Expected)

LANGUAGES

- Portuguese
- English (C1 - Advanced)