

ANDRÉ RAMOS

JUNIOR SOFTWARE ENGINEER | BACKEND DEVELOPER

+351 968 200 628 · andalex.ramos04@gmail.com · Abrantes, Santarém

GitHub: Andalexskywalker · LinkedIn: André Ramos · Portfolio: www.andre-ramos.dev

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

Frameworks

Spring Boot · FastAPI · Next.js

TensorFlow · Streamlit

Infrastructure & Tools

Docker · Git & GitHub CI/CD

Linux (Apache/Nginx)

PROJECTS

Park-Ride-Simulator

Java 21 · Spring Boot · Microservices · Docker

- Engineered a scalable microservices architecture for urban mobility featuring 5+ independent services, Service Discovery (Eureka) and API Gateway.
- Implemented Circuit Breakers and fault-tolerance patterns to ensure system reliability and high availability under load.

SMCTE

Python · TensorFlow · Deep Learning · Streamlit · Jupyter Notebook

- Developed a satellite collision prediction model using LSTMs trained on orbital trajectory datasets, achieving accurate risk classification.
- Built an interactive Streamlit dashboard for ingestion of orbital CSV data and real-time visualization of space debris collision risks.

PraiaFinder

Python · Next.js · FastAPI · Docker

- Built a full-stack web application integrating real-time weather data APIs to help users find ideal beach conditions.
- Developed a recommendation engine to filter and rank locations based on user preferences and live meteorological conditions.

EDUCATION

Polytechnic Institute of Castelo Branco

BSc in Informatics Engineering (Computer Science equivalent) · Sep 2022 – Jun 2026 (Expected)

LANGUAGES

Portuguese — Native

English — C1 Advanced