

José Antonio Luque Salguero

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EXPERIENCE

Software Engineer

OmniaSecAI

Nov 2025 – Present

Málaga, Spain

Frontend development with TypeScript, Tailwind, and React. Backend development with Python and FastAPI. Infrastructure on GCP.

Backend Consultant

Bosonit

Sep 2025 – Nov 2025

Málaga, Spain

Contributed to a large-scale project for the Regional Government of La Rioja, developing backend services with Java, JSP, and Oracle Database. Designed and implemented features in a fullstack application using Spring Boot for the backend and Angular (TypeScript) for the frontend. Tech stack: Java, JSP, Spring Boot, Oracle Database, Kafka, Docker, Kubernetes, Git, TypeScript, Angular.

Associate Consultant

Bosonit

Jun 2025 – Sep 2025

Málaga, Spain

Fullstack software development using Spring Boot and Angular, contributing to the design and implementation of both scalable RESTful APIs and fullstack applications. Technologies used: Java, Spring Boot, Git, REST APIs, SQL, MongoDB, Kafka, Docker, JavaScript, Angular.

Research Assistant

University of Málaga - MAPIR

Oct 2024 – May 2025

Málaga, Spain

Design and programming of visual localization and map construction algorithms for mobile robots. Proposed novel deep learning-based models to enhance the performance and robustness of localization algorithms. Technologies used: Python, PyTorch, LaTeX, Git, Jupyter.

EDUCATION

MSc in Software Engineering and Artificial Intelligence

University of Málaga

Sep 2025 – Present

Málaga, Spain

MEng in Mechatronics

University of Málaga

Sep 2024 – Present

Málaga, Spain

In-depth knowledge of Mobile Robots, Artificial Perception, Concurrent Programming and Advanced Mathematical Methods. Degree requirements completed except for final thesis. Provisional qualification: 8.7/10.

BS in Computer Science

University of Málaga

Sep 2019 – Jun 2024

Málaga, Spain

Honors in Concurrent Programming, Theory of Programming Languages, and Stochastic Modelling. Honors in Bachelor's Thesis: "Global optimization of multi-agency Mean-Variance-Sustainability models for portfolio management". Bachelor Thesis awarded the 2024 Mondragon Award for Final Undergraduate Projects, selected by Laboral Kutxa. Final qualification: 8.45/10.

BS in Mathematics

University of Málaga

Sep 2019 – Jun 2024

Málaga, Spain

Honors in Bachelor's Thesis: "Cartesian closed categories and simply typed λ -calculus". Final qualification: 7.53/10.

Erasmus BIP in IDEAL: IoT Data and technology Evolution for sustainAble smart Life

Université Paris Nord (Paris XIII)

Jul 2023 – Jul 2023

Paris, France

One week intensive course on data analysis, security, and distributed systems with international students.

SKILLS

Languages: Python, C, Java, JavaScript, TypeScript

Backend: Spring Boot, FastAPI, REST APIs, Kafka

DevOps: Docker, Kubernetes, GCP, AWS, GitHub Actions

Frontend: React, Angular, Tailwind, HTML/CSS

Databases: Oracle, PostgreSQL, MongoDB, DynamoDB

ML / Scientific: PyTorch, Jupyter, LaTeX, Matlab

LANGUAGES

Spanish: Native

English: B2/C1 (Listening & Reading C1, Speaking & Writing B2)