



# Juan Carlos Sánchez García

Estudiante de Ingeniería Informática

Madrid, España | +34 646 631 637 | [juanki.sgbh@gmail.com](mailto:juanki.sgbh@gmail.com) | [juanki019.github.io/portfolio2/](https://juanki019.github.io/portfolio2/) | [linkedin.com/in/juan-carlos-sanchez](https://linkedin.com/in/juan-carlos-sanchez)

## Summary

Computer Engineering student with experience in software development, specializing in backend, cloud, and machine learning. I have worked in agile environments, developing solutions with Angular, ASP.NET, SpringBoot, and Docker. At Bosch Spain, I optimized internal tools and developed data integration systems. At Auchan Group, I implemented enterprise APIs using Java. My Bachelor's Thesis focuses on laser welding anomaly detection using Docker, Kafka, Airflow, and Azure ML. I hold an advanced English level (TOEFL, University of Texas at Austin) and certifications in digital marketing and design thinking, bringing an innovative and efficiency-oriented perspective to technology.

## Experiencia Profesional y Proyectos Relevantes

- **September 2024 – Present | Bosch Spain | Software Development Intern**
  - Developed internal tools for material and project management using Angular 18, ASP.NET, and Node-Red, enhancing project management efficiency.
  - Implemented a dual reverse proxy with Lua to manage various protocols, ensuring flexibility and scalability in data integration.
  - Managed repositories and agile planning using Azure DevOps.
  - Bachelor's Thesis: Designed and implemented an advanced system for anomaly detection in laser welds. Leveraged technologies such as Docker, Airflow, Kafka, and Azure ML for data ingestion, processing, and analysis, building pipelines that orchestrate information flow and machine learning model deployment. The aim is to improve quality and safety in industrial processes through early fault detection.
- **October 2023 – January 2024 | Auchan Group | Software Development Intern**
  - Implemented a Java/SpringBoot API for redemption calculations, integrated into internal applications developed with ASP.

## Education

2021 - 2022 *University Of Texas at Austin*

- English Language Program

2020 - Present *Universidad Europea de Madrid*

- Ingeniería Informática (4th year, pending final project)

Additional certifications

- Fundamentos de Digital Marketing (Google),
- Enterprise Design Thinking Practitioners (IBM),
- Problem Solving (HackerRank).

## Technical Skills & References

**Lenguajes de programación:** Python, Java, SQL, TypeScript, C#

**Frameworks/Herramientas:** Angular 18, Docker, Azure DevOps, Azure ML, Git, Airflow, SVN, Flask, ASP.NET, VSCode, Eclipse.

**Idiomas:** Advanced English

Letter of recommendation available from Bosch Spain

**Work Authorization:** U.S. Permanent Resident (Green Card) — authorized to work in the United States without sponsorship