




5.2 Job Posting for Researcher at Robotnik.

 **Robotnik Automation S.L.:** Ronda Auguste y Louis Lumière, 8, 46980 Parque Tecnológico, Paterna, Valencia, Spain

Eligible sending organisations ●

AUTH, ULUS, JSI

Role title ●

Robotics Integration Developer (Fleet Management)

Environment ●

This role has a strong **R&D focus**, as the secondee will **integrate** our **mobile robot fleet** with **third-party fleet management software**. This involves prototyping communication interfaces, testing system-level integrations, and validating the combined solution, which aligns with the R&D, prototyping, and testing activities of a Researcher profile.

What you will work on ●

The secondee will work with ROBOTNIK's SW team to **contribute** to:

- **Analyze** the **architecture** and **APIs** of third-party fleet management software.
- **Develop software connectors** and **interfaces** to **integrate Robotnik's mobile robots** with the **fleet management system**.
- **Design** and **execute integration test plans** to ensure **seamless communication** and **functionality** between robots and the fleet manager.



- **Collaborate** with **internal teams** and **third-party vendors** to **troubleshoot** and **resolve** integration issues.

What you will gain ●

- The secondee will **gain practical experience** in the **system-level integration** of **autonomous mobile robots** with **commercial fleet management software**.
- They will **develop expertise** in using **industry-standard APIs** and **communication protocols** for **multi-robot coordination** and **understand** the challenges of **deploying** and **managing fleets** of **mobile robots** in industrial environments.

Desired profile ●

- Strong programming skills in Python or C++. These languages are essential for developing software connectors and utilizing APIs in the robotics domain.
- Experience with network communication protocols (e.g., REST APIs, WebSockets, MQTT)
- Experience integrating different software systems relies heavily on these standard communication protocols.
- Familiarity with multi-robot systems concepts and robotics frameworks (ROS/ROS 2).

Duration & Flexibility ●

Duration 3-5 months between May and October 2026

Can be split into separate stays **of at least 6 weeks each** (for example 2 x 6-8 weeks) upon agreement.