



4.1 Job Posting for Researcher at OZZIE Robotics.

OZZIE Robotics:

7th km Thessalonikis - Neon Moudanion, Pilea, Thessaloniki 555 35

Eligible sending organisations •

JSI, ULUS

Role title •

Robot Swarming Software Developer

Environment •

During your secondment, you will be deeply involved with the OZZIE Robotics' engineering team. The core task is to **assist in building advanced robot swarm behaviours** first in simulation, then validate them on a real multi-robot system.

What you will work on •

The secondee will work with OZZIE's software engineering team to:

- Design and develop software modules that support multi-robot coordination (swarming) on ROS-based robots
- Utilize robotic simulation environments (e.g., Gazebo) to create and validate test scenarios
- Analyse test results, identify bugs and performance bottlenecks, and collaborate with developers on resolutions
- Deploy and test the developed software modules in real multi-robot system

What you will gain •

- **Understanding of the ROS/ROS2 software** and how it can be applied to robot swarming processes in practice
- **Strengthening of ROS-based development and C++/Python programming capabilities** through **hands-on implementation and testing**



Desired profile •

- Programming foundations and hands-on experience in C++ and/or Python. These are the primary languages used for robotics development with ROS/ROS 2
- Experience with Linux and version control systems (e.g. git)
- Familiarity with ROS/ROS2 is a plus, since our robots are built in ROS
- Interest in multi-robot systems, simulation and testing in a team environment

Duration & Flexibility •

3 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.

Note: *OZZIE Robotics will be closed for summer break from August 1st through August 15th.*