

<b>Job:</b>	Software Engineer
<b>Project/Department:</b>	Innovation Labs

## 1. Needs

As Project engineer, the candidate will be assigned to a team to work in automation and robotics projects. Their main responsibility is to work within the team to develop and manufacture autonomous mobile robots for multi-purpose applications for several sectors of activity. They will have the opportunity to work in a multidisciplinary team combining mechanical, electrical, and software skills..

## 2. Duties & Responsibilities

- Developing, programming, and testing autonomous mobile robots;
- Simultaneous Localization And Mapping (SLAM);
- Neural networks for artificial intelligence applications;
- Programming CPU/GPU solutions based in Linux.

## 3. Minimal Requirements:

### 3.1 Academic Qualification

- BSc, MSc, or PhD in physics or engineering (electrical, software, aerospace or equivalent);
- Good English level.

### 3.2 Key Technical Knowledge

- C++,
- CUDA,
- JavaScript,
- Linux,
- Matlab,
- MQTT,
- ONNX,
- OpenCV,
- Python,
- TensorFlow.

### 3.3 Practical Experience

- Flexibility to learn multiple programming languages;
- Knowledge of multithread and parallel computing;
- Critical thinking and problem-solving skills.
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- Planning and organizing;
- Decision-making;
- Communication skills;
- Ability to ask penetrating questions;
- Team work;
- Adaptability;

## 4. Availability

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