



<https://www.themobbot.com/>

MOBBOT SA  
Route de la Glâne 26  
CH - 1700 Fribourg  
Switzerland

## **JOB OFFER – MOBBOT SA September 2021**

### **Sensor Integration Engineer**

Mobbot is a high-tech start-up based in Fribourg, Switzerland, providing unique robotic fabrication and 3D concrete printing for the construction industry.

The company's purpose is to bring efficiency and enhance the working conditions on the jobsites, while reducing the ecological impact of a very traditional sector. The platform we are developing combines Hardware and Software.

To strengthen our creative and dynamic team in Fribourg we are seeking a

## **Sensor Integration Engineer**

Do you want to shape the future of the construction industry and reduce the ecological impact of the sector?

### **Main Responsibilities and Accountabilities:**

In this role you will tackle state-of-the-art challenges regarding using various sensors in a construction automation system, from feasibility study up to handling and analyzing the sensor data, with hands-on operational topics:

- Process raw device data into meaningful sensor measurements
- Build systems and tools to improve existing and future sensor integrations
- Collaborate with other team members (mechanical, robotics, software, etc.) to improve the functionality of the system and add to its capabilities
- Engage in the lifecycle of the integration process from development to testing, and deployment

### **You are offering these qualifications:**

This position fits an electrical / computer / system engineer or any other related field, with at least THREE years of professional experience. The candidate should have previously dealt with sensor integration tasks in a professional environment.

- Degree in electrical, computer, system, or any other related field of engineering

- Experience of processing sensor measurements from Radar, Lidar, Optical, or RF sensors is a must
- Experience with sensor characterization and analysis
- Experience working with networked sensor modules via Ethernet/CAN/Serial and using interface specifications or protocols to collect and analyze data
- Experience in Python, C++, and UNIX/LINUX environment
- Knowledge of Version Controlling tools
- Strong mathematical background is required to deal with the challenges
- Strategic thinking and good initiatives
- Good communication and the ability to perform in a multi-disciplinary environment
- Ability to perform under pressure and adapt to changes (e.g., priorities and timelines)
- Creative, fast-thinker, self-motivated
- Fluent in English

**What we offer:**

- We will provide food for the brain and interdisciplinary work in a very dynamic environment
- Based in Fribourg, Switzerland halfway from Lausanne and Bern in a French-German bilingual city.
- Responsibility in a company with high visibility, recognized as the leader in the construction automation sector
- Attractive startup package
- Rapid decision process
- Flexible work hours

We look forward to receiving your application. Convince us! Do you need further information? Then contact [t.salovka@mobot.ch](mailto:t.salovka@mobot.ch).

**If you feel you are the right person for this position, we are looking forward to receiving your application!**

Should you not hear back from us within 3 weeks, your application has unfortunately not been successful for the respective role.