



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

MOBBOT SA
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Switzerland

JOB OFFER – MOBBOT SA March 2022

Mobbot is a high-tech start-up based in Fribourg, Switzerland, providing unique digital construction technology to build robust and innovative infrastructure with a climate-first priority for all.

Mobbot offers an integrated solution for the digitalization of sprayed concrete (shotcrete) to revolutionize the construction industry. Our technology enables to monitor the spraying parameters and control the process under different conditions and parameters to minimize its environmental impact and achieve higher productivity. We bridge modern automation, robotics, and data science with heavy equipment for construction.

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

Embedded Software 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 various sensors in a construction automation system, from feasibility study, product development, up to the product deployment:

- Planning, conceptualization, design, and programming of hardware-related software and firmware (C/C++/Python/ROS)
- Autonomous work / independent thinking in all development stages
- Analysis of requirement specifications as well as their realization possibilities
- Test-driven development
- Creation and execution of module tests
- Error analysis and bug fixing
- Development of complete project documentation
- Collaborate with other team members (mechanical, robotics, sensor engineer, etc.)

You are bringing with you:

- Degree in electrical, computer science, or any other related field of engineering
- Experience in Python, C++, and UNIX/LINUX environment, BASH scripting and ROS is mandatory
- Previous professional experience with sensor integration and deployment -embedded systems is a must
- Experience working with networked sensor modules via Ethernet/CAN/Serial/I2C... and user interface specifications or protocols to collect and analyze data
- Experience with autonomous control, close loop control, PID regulation
- Knowledge of Version Controlling tools
- Previous exposure to agile development, product-market-fit development
- Curious, forward-thinking, and an entrepreneurial spirit
- Good communication skills in a multi-disciplinary environment

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
- Take ownership and responsibility
- Attractive start-up package
- Rapid decision process
- Flexible work hours

Convince us! Do you need further information? Then contact agnes.petit@mobot.ch.

If you feel you are the right person for this position, we are looking forward to receiving your application by email only at agnes.petit@mobot.ch!

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