

# AI and Robot Software Development Engineer (m/w/d) for Care Robotics



Are you interested in working in a young, innovative, and dynamic robotics company? Do you want to work with a team of international talents as well as professionals with entrepreneurial experience? Then this might be your perfect opportunity.

## ABOUT F&P ROBOTICS

F&P Robotics AG is a pioneer in the field of human-robot interaction. We develop and build interactive, collaborative robots for hospitality and care applications. We offer complete robotic solutions, for which we develop both hardware and software.

With the elderly-care assistance robot Lio, we are pushing the boundaries of human-robot interaction and mobile manipulation. Our mission is to assist nurses in care facilities and to improve the residents' quality of life. To accomplish this, we utilize modern approaches from the fields of robotics, artificial intelligence, software development and machine learning.

Our team is looking for a passionate and experienced developer with the skills to strengthen our team in multiple of the following areas.

## YOUR TASKS

- Developing robot skills such as door opening, bringing drinks and playing games with elderly people. Help to increase the functionality and robustness of our robots
- Evaluating, integrating and improving state-of-the-art AI algorithms for vision, navigation, mobile manipulation, machine learning, voice interaction, task planning
- Achieving real world impact by delivering our solutions, learning from customer feedback and improving reliability and benefit for the customer in short, agile iterations
- Full stack system integration including sensor integration, Linux networking, ROS, AI modules, myP framework, robot behavior, user interaction and frontend

- Interdisciplinary collaboration with Usability, Sales, Production and the development of Hardware, Mechatronics, Electronics and Software
- Scaling up and further automating our DevOps including testing and deployment
- Project lead for new developments from idea over prototype and iteration to delivery

## REQUIREMENTS

- Bachelor, preferred Master in computer science, robotics, mechanical/electrical engineering, natural sciences or similar
- Good programming skills, preferably in Python or C++
- Knowledge of ROS, Git and Linux
- Additional experience in Angular, Prolog or Ansible are a plus
- Experience developing and maintaining complex software solutions in a team
- Highly motivated, hands-on mentality to get things done from prototype to product
- Empathy and interest for customers' needs
- Structured and detail-oriented approach of solving complex tasks
- Open mindset to question assumptions for finding better approaches

We are looking forward to receiving your application (in English) by email:

### **Sanja Dimitrova, HR**

jobs@fp-robotics.com  
+41 44 515 95 20

Applications through recruitment agencies are not considered.