Robotics Software Engineer (Full-Time)

About Multiply Labs

Multiply Labs is a cutting-edge startup based in San Francisco, California, supported by top-tier tech and life science investors such as Casdin Capital, Lux Capital, and Y Combinator. We are revolutionizing the manufacturing of cell therapies by developing advanced robotic systems designed to automate and scale the production of these life-saving treatments. Our robots empower biopharma companies to produce cell therapies at scale without significantly changing their existing processes, reducing regulatory barriers and risks. While traditional approaches are time-consuming and lead to extremely high costs for patients (typically $1M+ per patient), using robotics can make these transformative treatments more accessible and affordable to patients in need.

To learn more and to view a video of our robots in action, visit us at www.multiplylabs.com and follow us on LinkedIn. You can also read our latest peer-reviewed study, which highlights the statistical equivalence between manual and automated cell expansion processes, at cytotherapy.org.

Position Overview

At Multiply Labs, our team operates at the intersection of robotics and biopharma. As a Full-Time Robotics Software Engineer, you will work alongside a highly collaborative team of robotics engineers, mechanical engineers, electrical engineers, computer scientists, other software developers and biopharma scientists to build robotic systems that automate the manufacturing of life-saving cell therapies.

Projects include, but are not limited to, robotic interaction algorithms, data integration, trajectory planning and imitation learning. Your strengths and passions will determine which team you assist and all teams rotate frequently to

promote cross-functional collaboration and rapid learning for all members. This role is for you if you are a strong problem solver, a motivated and hard-working engineer, and excited to work at an early-stage startup.

As a member of our Robotics Software team, you will:
- Help develop a robust, efficient, and compliant robotic system.
- Design, build, deploy, troubleshoot and maintain high-quality production software.
- Collaborate with both software and hardware when developing robotic interactions.
- Design and implement communication protocols with various instruments.
- Actively contribute to the automated test suite for continuous integration.
- Work with simulation software to predict the movements of the robotic system.
- Troubleshoot communication issues with control systems and interaction issues between the robot and hardware systems.

Qualifications:
- Bachelor's in Computer Science, Engineering or related discipline.
- Strong background in: linear algebra, Python, and data science.
- Experience with robotic systems.
- Excellent communication and collaboration skills.
- Passionate, curious, and eager to learn.
- Self-starter and comfortable working in a fast paced, technically challenging startup environment.
- Prioritize organization and detail orientation.
- Ability to handle multiple project and task assignments simultaneously.
- Strong communication skills that clearly express ideas and design details in meetings, team presentations, white board brainstorming sessions and in various technical documentation.

Additional Qualifications – Considered a plus:
- Industry experience with Python.
- Experience with linux / unix systems.

Benefits
- Health Insurance
- Dental Insurance
- Vision Insurance
- Health Savings Account
- Daily catered lunch
- Commuter Benefits
- Flexible PTO
- 401K

Appropriate job level for applicants will be determined based upon individual qualifications and years of experience.

Multiply Labs is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.