



Steps to Prepare for Robotics Freelancing

1. Research Robotics Job Skill Requirements

Description: Search robotics job listings from companies online and write down the most common required skills (ROS2, simulation, perception, autonomy).

Focus on identifying real market needs instead of academic or lab-style robotics projects.

2. Set Up a ROS2 Simulation Environment

Description: Open your laptop and verify that ROS2 and a simulator like Gazebo are installed or available.

Launch a basic simulation world once to confirm your system can run robotics simulations successfully.

3. Define a Simple Robotics MVP Idea

Description: Write a short description of a Minimum Viable Product for a robotics task such as obstacle avoidance or simple navigation.

The goal is to describe the smallest working solution that could solve a client's problem.

4. Identify Hardware Cost Barriers

Description: List common robotics hardware mentioned such as Raspberry Pi, Jetson, Orin, depth cameras, and LiDAR.

Note why starting with simulation and autonomous software helps avoid these early hardware costs.

5. Outline a Remote Robotics Deployment Workflow

Description: Write the basic steps of how software can be developed locally and deployed remotely on a client's robot.

Include elements like SSH access, software testing in simulation, and final deployment on client hardware.

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