DWFritz Automation has been engineering and building precision automation solutions for over 45 years. In the last 10 years, we have grown our global footprint with employees and clients in the U.S., Asia, and Europe, while diversifying the industries we serve.

What’s our secret to success?
We’re the company that can solve the challenges that nobody else can. We do so by hiring incredibly talented employees who innovate through team-work.

Why would you want to work here?
We are a progressive company that continually strives towards being world-class in our practices, cutting-edge with our technology, and empowering with our leadership. We believe in big things, because we believe in our employees who impress us every day with their ideas and their execution.

Our World Headquarters operates from a modern, state-of-the-art facility located in Wilsonville, Oregon. Our employees enjoy standing desks, a recreation room, a fitness room, and a hearty oatmeal breakfast to start each day. Our spacious lunch room is the venue for weekly All Staff meetings and our frequent “Lunch and Learns.”

We also know how to have fun at DWFritz. From ping-pong tournaments and monthly socials to working with our community through our RISE program and paid volunteer day, we know well how to work and play together. We hope you get the chance to visit our building and experience a culture that is unlike any other.

Your Challenge

The Controls Software Engineer will be responsible for assisting in the development of software for custom automation and robotic systems. These systems include features such as:

- Real time PC control architecture.
- Sophisticated machine vision software.
- Sub-micron PID Servo motion control.
- 4 to 6-axis robot integration.
- High Level Custom GUI.
- 2D and 3D Laser Metrology.

Your Responsibilities

- Works with a team of other experienced and innovative engineers and technicians to develop first time, custom automated equipment.
- Works on projects from the analysis of a client’s needs through component selection, control software design, programming, debug, installation, final buy-off with customer, and follow-on warranty/upgrade support.
• Drives personal or company vehicle to customers' facilities for project meetings, design reviews, start-up training, and follow-up review.

Your Qualifications

• C#.NET/C++ programming skills (min 4 years of experience).
• Proficient C#.NET GUI development skills.
• Experience with Version Control Software (GIT, VSS, Subversion, etc.).
• Experience with machine vision programming.
• Schematic reading experience a plus.
• Able to integrate into an existing software engineering team environment.
• Able to use existing standards, procedures, and practices.
• Excellent written and verbal communication skills.
• Attention to detail and accuracy.
• Ability to work under pressure to meet project deadlines in a multi-tasking environment.
• Sense of urgency to meet project schedules.
• Ability to maintain confidentiality.
• PC-based machine controls.
• Servo based motion control.
• Use Microsoft software – Word, Excel, Outlook, PowerPoint, Visio, etc.

• Must possess a valid driver’s license, acceptable driving record, and proof of current vehicle insurance.
• Requires domestic/international travel for installation and support. Typically 3, 3-week trips/year.
• Must be eligible for or have a valid passport.

Your Education and Experience

• BSEE or BSME.
• Minimum of 3 years recent automated machine controls experience (including hands-on debugging of real-time machine control software, electronics, and mechanical systems).
• Experience in Robotic hardware/software systems integration.

Equal Opportunity Statement

DWFritz is an equal opportunity employer. In accordance with applicable law, the company prohibits discrimination based on race, color, religion, creed, gender, pregnancy or related medical conditions, age, national origin or ancestry, physical or mental disability, sexual orientation, genetic information, uniformed service or any other consideration protected by federal state and local laws. Our commitment to equal opportunity employment applies to all persons involved in our operations and prohibits unlawful discrimination by any employee.

Sponsorship

DWFritz is not currently sponsoring work visas for this role. Authorization to work in the U.S. is required to be considered.