

SOFTWARE DEVELOPMENT ENGINEER PLC CONTROLS & ROBOTICS ENGINEER

Please visit our website to see what OPTOMECH is all about and then decide if joining Optomech and submitting your resume is a great idea!

www.optomech.com

ABOUT OPTOMECH:

OPTOMECH is a leading provider of advanced additive manufacturing (AM) systems, for Electronics, Biomedical, Aerospace, Defense, and numerous other industries. We have a global customer base of R&D labs and industry-leading manufacturers in over 20 countries.

The Optomech headquarters is located in Albuquerque, NM and the R&D Advanced Applications Lab is located in St. Paul, NM. There will be some travel involved in this position, both domestic and international. Travel 10%.

JOB DESCRIPTION:

Software Development Engineer

(PLC Controls and Robotics Engineer)

The Software Engineer will be part of an engineering team responsible for the design, development and manufacturing of advanced Additive Manufacturing systems, with an emphasis on LENS technology - *directed energy metal deposition systems* that are revolutionizing manufacturing. The ideal candidate will be adept at design, development, coding, diagnostics, and testing of complex machine sub-systems including: control systems, software, mechatronics, vision and motion control. There will be a heavy emphasis on "hands on" engineering and coding in the beginning, however we are seeking a person who, by working with more senior members of our engineering team, can grow with us and take on greater responsibility in the near future.

Responsibilities:

- PLC systems design
- HMI systems design
- Create and improve automated systems and processes
- Control systems upgrades
- Control system troubleshooting
- Field installation and commissioning based on project requirements
- Analyze plant processes, design and implement improvements.
- Troubleshooting issues with hardware and processes.
- Plan preventative maintenance.
- Work with others to detect problems and implement solutions.
- Ensure that the systems software is running smoothly and efficiently while also meeting quality and safety standards.
- Find creative solutions to problems as they arise and assist in the implementation of predictive maintenance plans.

Requirements:

- Bachelor's Degree in Engineering; Electrical, Mechanical, or Manufacturing.
- Minimum 3 years' experience in Controls Engineering role or integration experience
- Industrial automation and controls: 3 years (Required)
- Technical proficiency in software applications.
- ***Siemens and ABB Robotics preferred***
- Strong cause-effect analytical abilities to solve problems.
- Motivated self-starter
- Strong attention to detail
- Great problem-solving skills
- Must be able to work independently to complete projects on time, on budget and with 100% customer satisfaction.

Preferred Experience:

- ISE/ME, WinCC, Jira
- Controllers: Siemens, Omron, Idec
- Experience with * VFDs, Motion Control Systems Design
- Vision Systems
- Electrical Schematics (AutoCAD or other electronic drawing package)
- Database and custom code (VB or C++)
- VMWare
- Workstation, Player

Quality's We Are Looking For

- Skills that bring something new to the Optomec table!
- Strong work ethic
- Strong attention to detail
- Great problem-solving skills
- Highly self-managed
- A strong desire to learn and grow
- Work well with others
- Creative thinker
- Willingness to dig in and get it done

Salary DOE

Job Type: Full-time