Chesterfield
50561 Chesterfield Rd. | Chesterfield, MI | 48051
P: (586) 598-8750 | F: (586) 421-9700

Rochester Hills
2610 Bond St. | Rochester Hills, MI | 48309
P: (248) 299-1915 | F: (586) 421-9700

CONTROLS ENGINEER (MID LEVEL) JOB DESCRIPTION

Job Type: Full Time

Rate: Hourly + 1.5x Overtime * Rate is commensurate with experience

Reports To: Controls Engineering Manager

Education (Required)

- BS in Electrical Engineering, Computer Science, or Electrical Engineering Technologies
- Associate's degree and/or equivalent work experience will be considered

Job Description

The essential job functions for this position are:

- Design / develop PLC programs to control automation systems
- Design / develop user interface screens
- Manage complex interactions between the system PLC, robots, and other equipment
- Lead the controls software team during project execution
- Train / mentor less-experience engineers
- Write specifications as required for project
- Write help documentation for end users
- Perform basic training of customer personnel
- Travel to customer facility for system debug and commissioning
- Work in factory environment

Minimum Qualifications

Candidates for this position must possess all of the following qualifications:

- **3-7** years of experience writing software for robotic automation systems
- Extensive knowledge of industrial communications protocols (i.e. EthernetIP, DeviceNet, Remote I/O, Data Highway+, etc.)
- Expert-level knowledge of Allen Bradley controls software /hardware
- Experience writing code for plant floor systems reporting
- Excellent oral and written communications
- Ability to read electrical schematics
- Ability to troubleshoot turn-key system electrical controls circuits
- Willingness to travel (up to 75%)
- Attention to detail
- Legally authorized to work full time in the United States and travel internationally as needed
- No visa sponsorships.

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Preferred Qualifications

The following skills are desired, but not required:

- Experience writing software to interface for other robots (i.e. ABB, Kawasaki, Motoman, Durr, etc.)
- Experience programming other PLCs (i.e. Siemens, GE, Mitsubishi, Omron, etc.)
- FANUC Karel programming for robot customizations
- Ability to configure robot I/O on FANUC robots
- Robot path teach (FANUC robots)
- Experience with AutoCAD
- Software Development (MS C#, C++, Visual Basic, Winforms, WPF)
- Web Development (HTML, ASP, CSS, PHP, AJAX, etc.)

Other Information

Inovision is an equal opportunity employer.
Candidates must be able to perform the essential job functions with reasonable accommodation.
Employees must maintain a mobile phone and valid driver's license.
All candidate information will be kept confidential according to EEO guidelines.

Please email mparks@inovision.com with potential candidate resumes

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