Entry Level Systems Programmer

JOB DESCRIPTION

Job Description: Entry Level Systems Programmers at Joseph Machine Company are responsible for programming and implementation of software for standard and custom manufacturing equipment. As well as supporting software in manufacturing environments.

The successful candidate will have the following requirements:

Job Requirements: • Development of custom PLC code for Allen Bradley and Trio control systems with clear and concise comments and documentation. • Use of Visual Studio 2019 or newer to troubleshoot software issues. • Configuration of SQL Server Databases and WPF applications. • Responsible for working with Software, Mechanical, and Controls engineering as well as operations team to achieve the highest quality of machines. • Identify and solve software, PLC, and computer system related problems. • Assist help desk technicians and customers in diagnosing and resolving WPF and PLC related field issues. • Knowledge and understanding of control system components • The desire to solve tough problems with quality code. • Maintain general shop safety and cleanliness • Any other work-related duties assigned by a manager • Responsible for projects timelines and machine quality. • Travel required. (10 –20%)

Key Requirements: • AS Degree within Computer Science, Electrical Engineering, or relevant field • 0-3 years' experience in PLC Systems programming. • Experience in troubleshooting and finding solutions for chronic issues. • Effective communication skills both written and verbal. • Proactive and self-motivated. • Safety culture mindset. • Positive and trustworthy.

Preferred Qualifications: • Allen Bradley or Trio Motion PLC hands on development experience. • General understanding of the fabrication equipment industry. • Mechanical aptitude.

LOOKING FOR

Scholar

A Scholar is accurate, reserved, Imaginative, and seeks a high level of technical expertise.

Controller

A Controller is a detail oriented and conservative, with a preference for high quality and technical expertise.

Analyzer

An Analyzer is intense, with high standards and a disciplined and reserved personality.

NOTEWORTHY BEHAVIORS

Formal	Task-oriented
Serious	Critical, creative thinker
Disciplined	Technical orientation
Sincere	Inquiring mind
Reserved and quiet	Problem Solver

SUMMARY

The focus of this job centers around producing timely results that are high quality and accurate. Benefiting from an analytical, inquiring, and critical mind, this job requires imagination and strong problem-solving skills, but with a strong technical orientation. The job requires an ability to deal with abstract concepts, systems, and ideas and all of that in an organized and self-disciplined way. It also requires that serious consideration be given to all possibly related facts and potential problems. This job demands deep knowledge and expertise and to do it successfully depends on understanding detailed information. Intellectual confidence is important in this job and to do it well requires close, hands-on involvement, careful follow-up and very disciplined, and limited, delegation. This job is technically demanding and 'strictly business', with little need for influential 'people interactions'. Central to this job is the need to weigh all decisions carefully and thoroughly, based on expertise to avoid unpredictable risk. Getting the job done and getting it done right are the two equal drivers for this job, and that may create conflict.

JOB CHARACTERISTICS

- Fast-paced environment with a focus on timely, correct results
- Technical, intellectual focus. Great deal of attention is devoted to getting results that are timely and accurate. Demanding, critical and exacting with close follow-up and limited delegation. Reserved and confident when supported by detailed information
- Decisions are made based on careful understanding of all available information; detailed technical knowledge; expertise and serious considerations for all sides of the issue/problem
- Needs time to make the right decision and cannot be pressured to make quick decisions
- Reserved communication: 'strictly business' communicates accurate information and provides all sides of the issue
- Demanding, critical and exacting

- Needs opportunities to use/demonstrate 'know how' and expertise in finding creative solutions to problems, with relative freedom from organizational involvements.