

Controls Engineer – Custom Automation

GEMCITY Engineering and Manufacturing (GEM) is looking to fill this position with an experienced self-starter. This person will work with minimum oversight from senior staff and lead team activities to complete assigned jobs on-time and within budget.

Core Activities

- Leadership of custom automation design team
- Specification writing, quoting, and concepting
- Customer contact and negotiating
- Meeting/beating estimated project schedules and costs
- This position will be heavily involved with all aspects of motion control, vision, and robotics; workload is anticipated to be 70-90% PLC code and 20-30% PC based code

Requirements

- 10 years hands-on lead controls design experience
 - Bachelor's Degree (BSEE) and/or equivalent combination of education and experience
- Experience as a senior software developer with many PLC platforms and some PC platforms
 - Machine control and multi-tasking / Multi-threading programs
 - State machine logic
 - S/W-H/W handshaking
 - Interlocking
 - ActiveX/com controls
 - GUI development (HMI or MMI)
 - Remote I/O; various field bus protocols
 - Ethernet and .Net applications
- Mastery of the following design functions:
 - Pneumatic and electrical schematic design and component selection
 - Define all IO, bit list, and user interface requirements
 - Safety Risk Assessment generation
 - Definition and sizing of all motorized axes
 - PC/PLC/Robotic hardware integration
 - Sensor selection/implementation
 - Vision system evaluation and implementation
 - Familiarity with NFPA79, SEMI, JIC, and CE standards
- Proficiency with AutoCAD 2-D schematics, wiring diagrams, panel layouts, cable drawings, detailing, etc.
 - Experience with SolidWorks will be a plus
- Knowledge of lean design techniques
- Good communication skills with professional demeanor/attitude
- Good meeting management discipline
- Understanding of, and experience with, manufacturing processes and techniques

Experience with varied industries such as medical, pharmaceutical, and food grade equipment is desirable

Position offers full benefit package including Medical (PPO and HSA options), Dental, Vision, Disability, Life and other Voluntary insurance offerings, along with a competitive salary, 401K and tuition reimbursement. ISO certified, this facility is very clean and climate-controlled.

GEMCITY Engineering and Manufacturing will only employ those who are legally authorized to work in the United States for this opening. Any offer of employment is conditioned upon the successful completion of a drug screen, physical, and background investigation.

Forward your resume with salary history and requirements to:

GEMCITY Engineering and Manufacturing
Attn: Human Resources
401 Leo Street
Dayton, OH 45404
Email: humanresources@gemcity.com

Equal Opportunity Employer
Drug Free Workplace