

## Software 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 machine and motion control, along with office environment automation
- Position reports to Director of Engineering and will work on both internal business development projects and custom machine applications as assigned

### Requirements

- 10 years hands-on lead software design experience
  - Bachelor's Degree (BSEE, BSCS) and/or equivalent combination of education and experience
  - Experience with varied industries such as medical, pharmaceutical, and food grade equipment is desirable
- Proven successful experience as a senior software developer with many PLC platforms, PC platforms, and programming languages such Visual Basic, C++, Sequel Database, Lab View
- Knowledge of MES system interface and design
- Good communication skills with professional demeanor/attitude
  - Coordinate with interdepartmental teams to implement user requirements for functionality
- Programming experience with:
  - Machine control via PLC ( such as AB, Siemens, Omron)
  - Machine control via PC with languages such as VB and Lab View
  - Task based programming for automation of processes for engineering, accounting, MRP, and associated disciplines utilizing VB or VBA with associated OPC and database interface
  - State machine logic
  - S/W-H/W handshaking
  - Interlocking
  - ActiveX/com controls
  - GUI development (HMI/MMI and PC )
  - Ethernet and .Net applications
- Mastery of the following functions with relation to PLC programming:
  - 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

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](mailto:humanresources@gemcity.com)

*Equal Opportunity Employer*

*Drug Free Workplace*