

## Automation Software Engineer

<b>Job Title:</b>	Automation Software Engineer	<b>Position Type</b>	Full Time
<b>Location:</b>	Carlsbad, CA	<b>Travel Required:</b>	25%
<b>Resumes Accepted By:</b>			
<b>Fax or E-mail:</b> (760) 741-7269 or <a href="mailto:careers@automationgt.com">careers@automationgt.com</a> Please include [Automation Software Engineer] in the subject line.			
<b>About Automation GT</b>			

Automation GT is currently looking for an experienced, systematic and analytical Automation Software Engineer to join our team. The incumbent will design and develop software programs specific to customer and project requirements with a particular focus on equipment and processes used in high-technology applications such as robotics, industrial automation systems, scientific instrumentation and medical/healthcare systems.

We have done extensive work in the design and manufacture of automation machinery for the biotechnology, life science, pharmaceutical and medical device industries. However, we do not limit ourselves to any particular project type, and are interested in all applications of advanced automation technology.

At Automation GT, we hold three core values as the heart of our company culture:

- We are committed to making decisions based on data and the scientific method.
- We are committed to prioritizing customer satisfaction in all that we do, which often involves thinking ahead and anticipating what they will need.
- We are committed to ensuring the job satisfaction of our employees and will work with you to ensure that you are finding plenty of opportunities to grow and find fulfillment.

We offer staff members a compelling package, including competitive base pay, superior benefits, a laid-back work environment, and opportunities for career advancement. Through these comprehensive offerings, every individual has the chance to achieve significant growth, both financially and professionally.

## Job Description

### Job Duties

- Design and develop software applications (PLC and/or PC ) based on given requirements and specifications
- Test and integrate chosen hardware and software components into automated machinery including laser integrated systems and robotics
- Verify that software controls will meet system timing performance requirements
- Understand client requirements for GUI/communication interface, networking and create specifications based on these requirements
- Work closely with Engineering team to monitor and commission software programs on shop floor from the systems integration phase to on-site installation
- Write Software Management Plan – to include: SDS, SRS, Test Plan, Traceability Matrix, User/Operating Manual with Troubleshooting Guide, and Spare Parts List
- Participate in requirement reviews and work with Systems Engineering to ensure proper implementation of features
- Ensure quality standards are maintained in a highly regulated, process-driven environment
- Effectively solve problems in a matrix-team environment in order to provide the customer with a complete functional automated system
- Provide timely and detailed status updates to PMO
- Stay up-to-date with new software engineering methodologies and technologies germane to the automation industry through personal research, training and seminar participation
- Involved in the recruitment and training of new engineering staff

### Experience, Skills & Education

- BS/MS degree in Computer Science or a related Engineering degree
- Demonstrated experience in the automation industry
- Experience with multiple programming languages and software programs including: .NET, C++, LabVIEW, Visual Basic, SQL, Ethernet (TCP/IP) plus networking, HTML, MATLAB, JAVA/J2 EE, Ether CAT, and Ladder Logic
- Extensive knowledge of Windows-based computer programs
- GUI development and design
- Demonstrated knowledge of Programming Logic Controllers (PLC) (e.g. Allen-Bradley and Siemens) and the configuration and design of HMI/OIT systems (e.g. National Instruments and Maple Systems)
- Use and application of Vision Systems (e.g. Cognex and Keyence) and various Motion Controllers/Actuators (e.g. IAI and Yasakawa)
- Experience with SDLC (Software Development Life Cycle) and Code Source Control
- Experience with Bug Tracking and Defect Analysis

## **General Requirements**

- Ability to read and understand drawings in AutoCAD and SolidWorks
- Able to travel to customer sites as needed
- Must be available to meet customer project commitments
- Comply with company safety procedures
- Excellent written and oral communication skills
- Creative thinker, results oriented, focused, and attention to detail and accuracy
- Ability to prioritize, multi-task and meet deadlines
- Self-starter, team player, and have a positive attitude
- Live the company culture of integrity and professional competence

Founded in 2002 in Southern California, Automation GT is an innovative company focused on the design and construction of custom automated machinery and systems. We employ professionals with a range of skills and qualifications which allows us to approach every aspect of machine design, engineering, assembly, customer service, marketing and sales on an in-house basis.