



Job Title: Automations Controls Software Technician

Department: Research and Development

Sub Department: Automation Control Engineering

Immediate Supervisor: Director of Research and Development

Status: Exempt; Full Time

Location: Meridian, Idaho (Non-Remote)

JOB SUMMARY

The Automation Controls Software Technician is responsible for testing, diagnosing, and resolving software and system control issues in all JST's wet processing equipment. This role emphasizes troubleshooting programmable logic controllers (PLC), human-machine interfaces (HMI), and system communication protocols to ensure equipment operates efficiently and meets design specifications. The role also emphasizes a close working relationship with the Software Engineering Team to learn the skills of software coding at JST in order to be able to potentially transition into an Automation Controls Engineering Position.

DUTIES & RESPONSIBILITIES

1. Review and interpret engineering drawings, system specifications, and P&IDs to identify software or hardware-related issues.
2. Conduct system testing, including manual and automated functionality, to verify compliance with design and customer requirements.
3. Diagnose and resolve software and control issues using a systematic approach and deductive reasoning.
4. Troubleshoot and reprogram PLCs and HMIs to address functionality concerns and enhance system performance.
5. Work side by side with Software Engineering Code Developers under their direction to interpret/troubleshoot/develop code.
6. Assist in the setup and configuration of controllers, switches, sensors, and communication protocols (e.g., Ethernet, Modbus).
7. Collaborate with cross-functional teams to recommend and implement software and/or hardware updates or improvements.
8. Maintain comprehensive documentation of system testing results, issue resolution steps, and software modifications. As needed, issue Reports and Release Notes to maintain the Revision Control protocols of any changes made or to be made
9. Support field service operations by providing remote or onsite assistance to address software issues in deployed equipment.
10. Ensure adherence to quality standards, Management of Change (MOC) and system safety protocols during all phases of testing and troubleshooting.
11. Perform other duties as assigned, which may occasionally extend beyond the primary scope of this role, in efforts to support JST's business plans.



12. Contribute to the team effort by achieving results. Work cooperatively with team members, communicate design constraints, and work within the team to achieve solutions.
13. Able to work in various positions such as climbing, balancing, stooping, kneeling, crouching, laying, reaching with hands and arms, grasp, handle and operate hand and tools, as well as welding equipment.
14. Responsible for other duties and tasks as assigned and, in some circumstances, may be completely unrelated to this position but to support JST's business plans.

JOB REQUIREMENTS, SKILLS, AND EXPERIENCES

- Associate's degree in engineering, computer science, or a related technical field; bachelor's degree preferred.
- Proficiency in troubleshooting and programming PLCs and HMIs; Rockwell Automation experience is a plus.
- Familiarity with system control concepts, state machines, and communication protocols (Ethernet, Modbus, Serial).
- Strong critical thinking and problem-solving skills with attention to detail.
- Ability to read and understand electrical schematics and control system documentation.
- Experience in circuit troubleshooting and a solid understanding of fluid dynamics, heat transfer and assembly techniques.
- Effective verbal and written communication skills to collaborate across teams and document findings clearly.
- Willingness to work in a Class 100 cleanroom environment and adhere to 6S and quality standards.
- Ability to travel domestically and internationally up to 25% of the time as needed.

WORK ENVIRONMENT AND EMPLOYEE EXPECTATIONS

- Employees are expected to support the Company's business culture and values by demonstrating teamwork, integrity, good judgement, respect, innovation, and communication as well as by contributing at optimum levels toward the success of the company.
- Able to safely lift and carry, push or pull objects up to 50lbs.
- Able to walk, stand and work on feet for the duration of shift.
- Able to climb, balance, stoop, kneel, crouch, reach with hands and arms, grasp, handle and operate hand/power tools or controls.

COMPANY SUMMARY

JST is a leading expert in wet bench design and a trusted global provider of wet process and precision cleaning technology solutions for the semiconductor, biomedical, and



other clean industries. Our customers rely on us to solve their most complex manufacturing process challenges. With in-house engineering teams and full plastic and metal fabrication capabilities, JST delivers complete design-to-fabrication solutions for all wet processing applications. We are driven by teamwork, customer focus, integrity, and relentless innovation — committed to providing high-quality, cost-effective, and safe solutions that improve our customers' wet chemistry processes.

When you join the JST team, you become part of a group of specialists in wet bench design, manufacturing and customer service. From concept to completion, we engineer, design, manufacture, and install tailored solutions to meet cleanroom processing needs across the globe.

QUALITY IS OUR FORMULA (CORE VALUES)

At JST, quality isn't just a standard—it's how we work. We're redefining what it means to show up, collaborate, and drive results by embedding quality into everything we do. *That's why we say: Quality is our Formula.* This formula isn't just a slogan—it's a mindset. It's captured in a simple but powerful equation: **Q = TCI²**

Teamwork	Customer Focused	Integrity	Innovation
Be One	Be Aligned	Be Accountable	Be in Pursuit
<ul style="list-style-type: none"> • Support Each Other • Respect Differences & Diversity • Collaborate Collectively • Coordinate Harmoniously • Listen Attentively • Winning with Best Results • Practice Continuous Improvement • Think we (JST), not I • Be Accountable • Shared company goals • Empowered 	<ul style="list-style-type: none"> • Conceptualize/Perspective • Advocate Solutions • Deliver Results • Solve Problems • Understand Needs • Resolve Issues Quickly • Generate Value • Fuel Growth • Do the right thing, always • Treat it like you bought it • Honesty in communication • Active Listening • Putting the Customer First 	<ul style="list-style-type: none"> • Uphold Standards • Report Issues • Honor Commitments • Take Ownership • Require Ownership • Mutual Trust and Respect • Pride in Your Work • Strive for Improvement • Do it Right the First Time • Pay Attention to Details • Take Initiative • Do the Right Thing, Even When It's Hard 	<ul style="list-style-type: none"> • Resilient • Experiment Fearlessly • Adapt Strategically • Challenge Norms • Implement Changes • Solve High-Value Problems • Attention to Detail • Beat Goals • Innovate Now • Encourage Creativity • Empower • Improve Processes • Advance Technology
Always work together to meet company and individual goals.	Always align with and focus on your customers.	Always accept and require accountability.	Always pursue improvements by innovating relentlessly.

This cultural shift is about more than words, it's about aligning who we are with how we work. We recognized that our previous values didn't fully capture the behaviors and decisions that define success at JST. By embracing this new formula, we're building a culture where every action, every idea, and every solution reflects our commitment to quality and excellence.

At JST, quality is not just a goal, it's an expectation, a belief, and a way of being. When you join our team, you're not just contributing to our success; you're becoming part of a culture built on collaboration, customer dedication, ethical innovation, and shared purpose.

BENEFITS AVAILABLE



Job Description

- Medical / Dental / Vision
- 401(k)
- Life Insurance
- Paid Time Off
- Holiday Pay
- Available Overtime
- Flexible Work Schedule
- Referral Program
- Tuition Reimbursement
- Year End Performance Bonuses
- Competitive Pay BOE
- Remote Work Flexibility
- Possible Relocation Assistance Available

APPLICATION PROCESS

You can download our employment application from [our website](#). Employment applications and resumes are accepted through the following venues:

- (1) Mail: 4040 East Lanark Street, STE 100, Meridian, ID 83642
- (2) Online Application: <https://jstmfg.isolvedhire.com>
- (3) Email: hr@jstmfg.com

Important Notes:

- JST is an AA/EOE employer.
- Applicants must be authorized to work for ANY employer in the U.S. We are unable to sponsor or take over sponsorship of an employment Visa at this time.