

# Job Posting



<b>Job Title:</b>	Software Engineer	<b>Revision Date:</b>	01/04/2022
<b>Work Location:</b>	Norwood, MA		
<b>Department:</b>	R&D		
<b>Reports to:</b>	Software Manager	<b>FLSA Status:</b>	Exempt
<b>Summary:</b> The Software Engineer will be developing code used in Advanced Instruments devices. The software engineer will work in projects teams and will provide code compliant to regulatory guidance for the development of software. Responsibilities include, requirements planning, code development, bug troubleshooting and fix, software development process compliance, verification and validation participation, code review, and software release.			
<b>Essential Functions:</b> <ul style="list-style-type: none"><li>• Write well-designed, testable code</li><li>• Execute full software development life cycle (SDLC)</li><li>• Develop layouts and documentation to identify requirements and solutions</li><li>• Produce specifications and determine operational feasibility</li><li>• Integrate software components into a fully functional software system</li><li>• Participate in the development of software verification plans and quality assurance procedures</li><li>• Document and maintain software functionality</li><li>• Troubleshoot, debug and upgrade existing systems</li><li>• Deploy programs and evaluate user feedback</li><li>• Comply with project plans and industry standards</li><li>• Ensure software is updated with latest features</li><li>• Must be able to work in team environment</li></ul>			
<b>Experience Requirements:</b> <ul style="list-style-type: none"><li>• Ability/willingness to learn and work in a team environment</li><li>• Up to 5 years' experience programming</li><li>• Programming Languages C++, C required.</li><li>• Good knowledge of TCP/IP. OPC-UA and RTOS development are nice to have.</li><li>• Experience with databases (SQL), C# and Visual Basic preferred.</li><li>• Experience working with GIT (version control) nice to have</li><li>• Experience using Microsoft Excel, PowerPoint and Word preferred.</li><li>• Experience with test-driven development</li><li>• Moderate Proficiency in software engineering tools (Debuggers, serial tracing ... etc.)</li><li>• Ability to understand requirements and specifications.</li><li>• Familiarity with Firmware development preferred.</li></ul>			
<b>Education Requirements:</b> <ul style="list-style-type: none"><li>• BSc degree in Computer Science, Engineering or relevant field</li></ul>			
<b>Physical Requirements and Working Conditions:</b> <ul style="list-style-type: none"><li>• Typical office environment.</li><li>• Must be able to use basic office equipment: computer, printer, copier, telephone, etc.</li><li>• Must be capable of communicating with other teams through various means.</li></ul>			
<b>Application Process:</b> Interested candidates should send their resume to: Advanced Instruments, LLC 2 Technology Way Norwood, MA 02062 <a href="mailto:jobs@aicompanies.com">jobs@aicompanies.com</a>			