SOFTWARE ENGINEER

Air Techniques International (ATI), a division of Hamilton Associates, Inc., is the leading designer and manufacturer of air quality testing and monitoring products and services that fulfill our purpose of *Protecting People, Products, and Critical Infrastructure*. We serve markets that include biopharmaceutical manufacturing (cleanroom production), nuclear energy production, industrial hygiene, and military and counterterrorism applications including respirator mask testing and airborne bio-surveillance. We are the market leader in our more mature product lines, and we are a new entrant to some exciting new markets to be developed. Our business has global reach, with more than half of our sales outside the United States. But we are still a small company (about 40 employees) with significant room for growth and numerous opportunities for business expansion.

As ATI continues to grow, we are seeking a **Software Engineer** to play a pivotal role in developing new and innovative products to support our continuing growth in the market.

For additional information about our Company and our product lines, please visit www.atitest.com.

POSITION OVERVIEW

As our **Software Engineer**, this individual will have overall responsibility for researching, designing, developing, documenting and coordinating major projects within program objectives. Reporting to the Director of Engineering & Operations, and working collaboratively with our team of engineers, production and marketing groups, the **Software Engineer** will apply sound and diversified knowledge of software engineering principles and practices in broad areas of assignments while operating with considerable latitude within project scope. Responsibilities include:

- Define system architecture and drive system-level design of new software platforms.

- Define system-level API and create SDK for integration of proprietary software platform(s) to BASs

- Write efficient, bug-free code that satisfies market requirements

- Operate version control system and ensure all source code is appropriately stored in vault.

- Provide trouble-shooting and technical evaluation of existing, new, and custom products.

- Use infrastructure automation to develop installation and configuration packages.

- Analyze, design and develop tests and test-automation suites for existing and created code to ensure compatibility and stability.

- Collaborate cross-functionally with other engineers, project managers, and product managers to achieve elegant solutions.

- Maintain electronic drawing files, specifications and other reference materials.

JOB QUALIFICATIONS & REQUIREMENTS

- Bachelor's degree in Software Engineering or equivalent discipline
- 5+ years related software engineering experience
- Experience with various communication standards such as RS-232, RS-485, USB, Ethernet, 802.11 and 802.15 wireless, cellular
- Extensive experience with Java, Python, C++ and at least one other object-oriented programming language
- Proficient with scripting languages such as Perl, Ruby or JavaScript
- Strong background in object-oriented architectures and proven experience in using design patterns, UML, Object Oriented analysis and design
- Familiarity with Agile Development techniques (Scrum, Sprint, BDD)
- Working knowledge of SQL
- Previous experience with BAS protocols such as BACnet or LonTalk preferred
- Experience in Design for Manufacturability and Design for Assembly a plus
- General understanding of regulatory standards, including NFPA (NEC), CSA, FCC and CE also a plus
- Excellent verbal and written communication skills to communicate effectively and collaboratively with all levels of colleagues and customers
- Ability to demonstrate high-degree of initiative and work effectively in a flexible and changing work environment, both independently and within teams
- Ability to travel domestically and internationally approximately 3-4 times/year for approximately one-week intervals

COMPENSATION & BENEFITS

We offer an attractive compensation package in addition to a comprehensive benefits program including health insurance, 401(k) plan with matching and profit sharing, generous paid time-off (PTO) policy, life and disability coverage, plus much more!

CONTACT US

If you are seeking a challenging opportunity to expand your skills while working in a positive environment that is poised for growth, you are encouraged to submit your resume, in WORD or PDF format, along with your salary history and requirements, to us for immediate consideration.

AIR TECHNIQUES INTERNATIONAL
A Division of Hamilton Associates, Inc.
11403 Cronridge Drive
Owings Mills, Maryland 21117

Hamilton Associates, Inc. | ATI is an Equal Employment Opportunity (EEO) employer.
Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability or protected veteran status.

E-mail Address: atiengineer.resumes@hamiltonassoc.com