



Job Title: Senior Software Engineer
Job Code: RS.03.SSE
Reports to: V. P. of Engineering

Overview:

A minimum of 5 years' experience beyond school is required for this position and applicants must have a deep expertise in C++, C# and WPF software development for instrumentation products, and preferably analytical, medical device or spectroscopic instrument products used for laboratory, clinical or R&D markets.

Summary:

We seek a Senior Software Engineer to be responsible for software development for the Company's life science analytical instruments. Qualified candidates will work closely with the Company's product and business development teams to define product requirements, and will have responsibility for development and delivery of the software. This is a hands-on position requiring the ability to code software across the product line. The candidate will also assist in directing subcontractor software development activities when needed, and will have responsibility for final test, maintenance and improvement of all software over time. The primary development platform is Windows 10, and includes both real time instrument control and a client platform for analytical characterization of tested materials. The candidate must have a record of a leading role in software developments that meet product requirements and are delivered on time and within budget. The position is based in Burlington, MA USA.

Minimum Qualifications (must have)

- Bachelor's or Master's degree in computer science, computer engineering or equivalent
- 5 years (10+ years preferred) experience in Windows C++/WPF/ C# software development
- 5 years of experience in leading or as a key contributor on software development projects with teams of at least 3-5 developers
- It is required to utilize and remain proficient in a Windows based software platform. Also required are .NET and associated technologies including unmanaged C/C++, C#, WPF, XAML, MVVM pattern, Prism, Socket Network Communications, SQL/MySQL, Windows native application development, object-oriented principles, DLLs, and Visual Studio (at least version 2015) development tools, Infragistics Graphics controls
- Preferably deep expertise in software development for analytical or spectroscopic instrument platforms with familiarity with biological workflows and lab instrumentation is strongly recommended
- Expert knowledge in setting up and working under a quality compliant revision control system (e.g. SVN) supported by software documentation and well commented code

- Experience writing and maintaining test support software for engineering and manufacturing
- Develop and implement software validation strategies and protocols in support of instrument qualification, commercialization, improvement and maintenance
- Provide or assist in technical oversight of external consultants as members of the support software development team when required
- Work in compliance with ISO9001, 13485 and internal quality systems as required
- Adept at planning, prioritizing, multi-tasking, organizing and following through, while remaining highly energetic and focused
- Extremely motivated and willing to work in a fast-paced environment, with a hard-working multi-disciplinary team

Preferred Qualifications (nice to have)

- Resourceful and flexible and willing to work hands-on in developing novel technologies and executing program deliverables
- Experience in biotechnology or medical device development, including the FDA and 21 CFR Part 11
- Familiarity or proficiency in coding in LabView and MATLAB a plus
- Experience in control theory, particularly software for temperature control loops and motion control a plus
- People leadership experience as well as project leadership experience of multiple projects to drive key deliverables and timelines

About RedShift BioAnalytics:

RedShift BioAnalytics is developing powerful new analytical tools for the R&D, life science and biopharmaceutical markets. Our measurement solutions combine tunable lasers, microfluidics, and analytical technologies to achieve revolutionary improvements in performance and analytical capabilities. At RedShift, we provide customers with solutions that accelerate product discovery, development and manufacturing while enabling dramatic improvements in performance, efficiency and cost.

We have developed major partnerships with industry leaders, attracted top talent to our executive and advisory teams, and received strategic and venture funding to support our product introductions and continue to build our team. Our team members are innovators who push beyond the status quo to create one of the most promising technology start-ups in the Boston area.

This position is open for immediate hire. The company provides very competitive salaries as well as a full benefit plan including medical, dental and 401(k) savings.

To apply, please send a cover letter and resume referencing the job title to:
Careers@Redshiftbio.com

WE ARE AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER. RedShift BioAnalytics affords equal employment opportunity to all qualified persons regardless of race, color, religious creed, national origin, age, military status, sexual orientation, disability, genetic information, gender identity, gender expression or gender unless based upon a bona fide occupational qualification. Please view Equal Employment Opportunity Posters provided by OFCCP [here](#).