

Job Description: Principal Systems Engineer

The Top Line

Here's the deal. We're all about helping biologics researchers break free from tools that just don't cut it. Unleashing problem tackling products that make a huge difference in the real science they do every day. That's our mantra, our promise and we own it. We live by an unconventional strategy for a start-up: we're buying commercial businesses and developed technologies, adding our magic touch to turn them into breakthrough products, investing massively in customer-facing teams and then selling those products like gangbusters.

The Job

Our ideal candidate is enthusiastic, flexible, and eager to attack new challenges. They will work with other engineers and scientists to specify, design, validate and test new and existing instruments as well as our consumables. The Principal Systems Engineer will be responsible for many aspects of our products and consumables. One of our core values at Unchained labs is the ability and willingness to get gritty. The candidate should be ready to do whatever it takes to get their job done.

Responsibilities

- Collaborate with other scientists and engineers to develop new products
- Work with marketing to make recommendations for new products
- Design, build, and test life science instruments and consumables
- Document new and old designs
- Perform transfer to manufacturing on new and old products
- System level trouble shooting and problem solving

Qualifications

- Requires a bachelor's degree in an Engineering or Scientific field or equivalent with 20+ years of experience working in the life science or medical industry
- A strong technical background in the development of complex instrumentation for the life science or medical industry that involve multiple sub-systems including modules for optics, fluidics, electronics, mechanical assemblies, and data analysis
- Experience performing basic-to-advanced laser and/or spectroscopy-based research related to new or existing technologies, product applications, or new products
- A strong understanding of mechanical systems and mechanisms with the ability to design, test and validate
- A strong understanding of optics and optical systems with the ability build and validate optical systems

- A strong understanding of chemistry and biology with emphasis on biologics and protein assays
- A strong understanding of material science with the ability to specify materials
- Experience designing, building, and testing custom consumables for life science tools
- Experience integrating and building test systems to perform characterizations
- Experience with instrument validation and verification testing
- Experience writing control scripts for instrumentation
- Familiarity with LabView or other data acquisition tools
- Proficiency with Solid Works
- Proficiency with some programming languages such as C#, VB.Net, C++, and C.
- Excellent documentation, organizational, teamwork, troubleshooting, problem solving, and communication skills