



Software Engineer - Tools

Reports to:

Director, Software Engineering

Overview:

The Software Engineer - Tools will support the launch and production of Portal's first needle-free drug delivery product. You will work closely with the software, electrical, mechanical, and manufacturing teams to support continuing development and enable a successful product launch.

The ideal candidate is excited to understand the product from all angles, working with the design engineering, manufacturing, operations, and quality teams to ensure a successful product launch.

Role and Responsibilities:

- Work with design and manufacturing teams to do requirements gathering and analysis of needs.
- Track and analyze product defects to identify high value product and process improvements. Drive these enhancements to completion to improve yield and product quality.
- Support design transfer from pilot to mass production of Portal's needle-free drug delivery device.
- Proactively manage component obsolescence; identify and qualify second source and replacement parts.

Qualifications and Experience:

- At least 3 years of Python 3 and bash scripting experience required.
- Familiarity with Python frontend libraries such as Flask or Tornado
- Need to be familiar with Linux udev, serial control, and USB instrument control.
- Work closely with DevOps personnel to maintain productivity tools and databases.



- Experience with design and/or manufacturing in a regulated industry (medical devices, automotive, mil-aero, or similar).
- Experience with design and process changes in a shipping product.
- Ability to work independently in a startup environment
- Comfort with the design and manufacturing of electronic assemblies is a plus

About Portal Instruments

Portal is transforming medicine by allowing chronic patients to self-inject their biological drugs with a needle-free device. This innovative drug delivery system replaces auto-injectors and is overwhelmingly patient preferred. Issued from MIT Research and easily connected to the cloud, the Portal device allows biopharmaceutical companies to augment their biological therapies and differentiate them from competitors. The device captures injection data in real time and transmits those via the cloud to all stakeholders for optimal care. Portal's business model is to partner with biopharmaceutical companies and co-develop drug/device combination products. The company has partnerships with Takeda Pharmaceuticals, LEO Pharma, Sanofi SA and 3M. It is currently at the pre-launch stage with pilot lines producing products for clinical evaluation. Come join us on this exciting journey of making chronic patient care and comfort a priority.

Working at Portal Instruments

- Portal Instruments is looking for unique individuals who want to make a difference in the lives of patients and how medicines are delivered today.
- Portal Instruments offers employees the opportunity to work in a fast-paced start-up that values innovation, creativity, accountability, teamwork, and openness while providing excellent leadership and development opportunities.
- Portal Instruments is committed to challenging implicit bias and creating an equitable work environment. We are proud to be an equal opportunity



employer. All qualified candidates will receive consideration without regard to race, ethnicity or national origin, sexual orientation, gender identity or expression, genetics, military service, age, family status, or disability.

- Portal offers a competitive salary, a comprehensive benefits package, including stock options, a 401(k) retirement plan, a health and dental plan and a chance to make a difference in the lives of thousands of patients.

To Apply: Please submit a resume and cover letter to:

careers@portalinstruments.com. You will be contacted if your background meets Portal's needs.