



## Electrical Engineer

Reports to: Director, Electrical Engineering

### **Role and Responsibilities:**

Portal Instruments seeks a curious, detail-oriented hardware engineer to join the product development engineering team. Responsibilities include:

- Design, and refine the electrical hardware for Portal's needle-free drug delivery system.
- Support the transfer to manufacturing and commercial launch of Portal's first generation product including build support, failure analysis, and product improvements.
- Contribute to the design and definition of Portal's next generation products.
- Develop and execute test plans to verify system performance.
- Document design decisions and specifications.

### **Required Skills and Experience:**

- The ideal candidate will have a strong foundation in embedded systems, with a working knowledge of analog and digital electronics.
- System integration experience within a cross functional (electrical, mechanical, software) team.
- Comfortable with core test and measurement tools and methods, soldering, and prototyping.
- Working knowledge of software and/or firmware development is a plus.
- Experience with Bluetooth and/or cellular connected devices is a plus
- Portal strives to build a team with a diverse skillsets. Our product is a highly integrated electromechanical system, powered by a rechargeable lithium ion battery. The core of the electrical system is an ARM Cortex-M series microcontroller, with a generous helping of power electronics. Our firmware is written in C++ and runs on SafeRTOS. We use Python extensively for tools and automation. The team has a diverse set of skill sets, and many of us work across multiple disciplines; If any part of the description above sounds like something you've worked on, we'd love to talk to you.



**Qualifications:**

- B.S. or higher in electrical engineering preferred.
- 2+ years of electronic design experience.
- Excellent written and verbal communication skills

## About Portal Instruments

Portal Instruments is a Series B funded medical device company focused on advanced drug delivery and backed by powerful strategic partners and venture investors. We are developing and commercializing a highly innovative needle-free drug delivery platform technology to transform the administration of medicines and improve the patient experience for chronic diseases. Portal's needle-free delivery technology enables the injection of high viscosity biologic drugs without the pain, anxiety and troublesome handling of needles. Our needle-free breakthrough technology is precise, reliable and comfortable to use. 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](mailto:careers@portalinstruments.com). You will be contacted if your background meets Portal's needs.