



Lab Technician and Testing Engineer

[H2Ok Innovations](#) is an IoT-enabled operating system for manufacturing and supply chain, focused on industrial liquid and fluid systems. Liquid systems are at the heart of industrial manufacturing, but current methods of managing these fluid systems are highly inefficient, relying on manual grab sampling as the most widely used technique. This results in a lack of data and visibility, causing excessive resource and operating costs, as well as inefficient operations. At H2Ok Innovations, we are rethinking this approach, with our comprehensive OS system consisting of a network of our commodity sensors, coupled with our secure dual-communication edge transmission gateway, and ML-based process optimization software. We are building an operating system to bridge OT (operational technology) and IT (information technology) in manufacturing and supply chain, enabling digital solutions to function reliably, viably, and securely in industrial environments. We believe in unlocking previously untapped data for our customers— who comprise society's most fundamental sectors— to enable them to gain a competitive advantage in the way they operate and bringing [Industry 4.0](#). At H2Ok Innovations, we are servicing major customers including multiple Fortune 500 enterprises and backed by Construct Capital, 2048 Ventures, Flybridge Capital, 1517 Fund, Techstars, and more. H2Ok Innovations is based out of Greentown Labs— one of the top cleantech technical communities in the world.

Job Responsibilities:

- Develop experiments for testing accuracy and effectiveness of new sensors.
- Prepare and test customer samples, perform statistical analysis, and interpret results.
- Develop sensor calibration procedures to reduce offset, drift, and noise in data.
- Conduct sensor data analysis and on-site beta tests with customers.
- Research and test new sensing capabilities, sensor features, and applications to be used in real world customer problems.
- Work independently on a team tackling a rapidly changing set of cross-disciplinary projects involving mechanical & electrical components design, software development, and rapid prototyping.

Qualifications:

- Wet lab experience preparing and working with liquid samples
- Understanding of spectroscopy, as well as other sample analytical techniques
- Ability to quantitatively analyze and interpret data statistically from conducted experiments
- Demonstrated ability to work successfully in a fast paced team environment/product iteration cycle
- Motivated, driven, startup-mindset, desire to drive positive change in the world
- High attention to detail, dedicated and hard working, thorough, consistent
- Excited, positive, and driven attitude toward work, go-getter mentality, taking initiative
- Willingness for hands-on work directly with customer field samples

Location: Greater Boston Area in Somerville, MA at Greentown Labs

- Full time position with competitive compensation

Contact:

Please send an email with the role/position you are applying for in the subject line and include your resume, description about yourself, start date, and other relevant info/materials to careers@h2okinnovations.com, and CC annie@h2okinnovations.com, david@h2okinnovations.com, and joseph@h2okinnovations.com on it.