
R&D Engineering Lab Technician

Sporian conducts research and development that is at the forefront of science and technology. We focus on advanced sensors for applications in the aerospace, energy generation, IIoT, and related industries. At Sporian, you will be involved with developing sensors and sensor systems from the conceptual stage through proof-of-concept development, detailed development, testing, and fielding. Sporian is a small, technically focused company. At Sporian, you will work in a collaborative environment on multidisciplinary teams with people from a wide range of technical disciplines who have a passion for solving difficult problems in unique ways.

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Sporian Microsystems, Inc. is currently looking for a lab technician with strong mechanical and/or electrical skills as well as hands-on skills to provide R&D and engineering support on a wide range of Sporian projects. This position is to primarily provide technical assistance for efforts relating to fabrication and testing in a highly hands-on work environment, for projects relating to: high-temperature sensors, environmental sensors, chemical/biological sensors, and wireless sensors. In addition to hands-on work, this position is expected to work closely with engineers and technical staff, project managers, and suppliers, and assist in the fabrication, prototyping, and testing of sensor components and systems. Sporian will consider a broad array of candidates with diverse backgrounds and select a candidate that provides the best overall fit for the varied needs of the company.

Education and Experience Requirements: Individuals with a strong mechanical aptitude and a desire to contribute to the development of advanced technology are preferred. This position requires an individual with at least a high school diploma and three or more years of relevant experience. Individuals with Associates or Bachelor's degrees and an interest in hands-on work on cutting edge technology are encouraged to apply.

Required Skills/Qualifications:

- Strong hands-on experience/skill with hardware fabrication, testing, characterization, and troubleshooting.
- Ability to contribute to fabrication/assembly/operation of prototype systems, test-bed hardware, and critical experimental activities including setup, control, and reporting.
- Ability to provide general R&D support to a range of projects in a multi-disciplinary team environment.
- Ability to contribute to vendor, supplier, processing, and piece-part reviews to determine suitable/optimal solutions.
- Documentation of test and assembly results, observations, outcomes, etc. requiring strong written and verbal communications skills.
- Proficient with the use of a PC and MS Office suite; confidence with moving, copying, and otherwise manipulating computer files.
- Ability to quickly transition between disparate efforts and responsibilities.
- This position requires work on DoD contracts that require US Citizenship status.

Desirable (But Not Required) Technical Experience:

- Prior experience with mechanical CAD software, particularly SolidWorks
- Prior experience writing/developing simple LabVIEW VIs for data acquisition tasks
- Hand soldering and printed circuit board assembly/rework.
- Familiarity with Linux and Python
- Knowledge of high temperature (>1000°C) equipment or materials
- Familiarity with safe chemical handling, mixing, disposal, etc.

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- Mechanical, optical, and electronics testing methodologies and systems
- Microelectronics packaging experience

Additional Expectations:

- Life-long learner
- Multi-tasking
- Flexible
- Team player
- Self-motivated
- Self-starter
- Detail oriented
- Customer oriented
- Excellent written and verbal communication skills
- Proficient with MS Office
- Proficient with Internet

Physical Context/Work Environment: Sporian Microsystems, Inc. is conveniently located in Lafayette near to US-287 in Boulder County, and close to Broomfield, Louisville, Erie, and Boulder. Work is typically conducted in both an office environment and a lab environment with occasional travel locally to nearby businesses and infrequent travel both domestically and internationally.

How to apply:

- Include a cover letter that describes how your skills and experience fulfill the above requirements.
- Email your cover letter and resume to lt2209@sporian.com.
- Reference: “W – R&D Engineering Lab Technician” in the subject line of your e-mail.

This is a full-time position.

We are an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, or national origin.

Sporian participates in E-Verify and will provide the federal government with your Form I-9 information upon hire to confirm that you are authorized to work in the U.S.

In connection with Colorado’s “Equal Pay for Equal Work Act,” Sporian Microsystems, Inc. provides the following information:

Pay Range: \$41,600 to \$74,880 per year. This represents a reasonable estimate at the time of posting. Final compensation will be based on a variety of factors, including relevant experience, knowledge/education, and skills/abilities.

Bonus Information: This position is eligible for Sporian’s yearly profit-sharing bonus.

Benefits:

- Medical and Dental Insurance
- Flexible Spending Account - healthcare and dependent care
- Individual Retirement Account with employer match.
- Paid time off and holidays