
Embedded Software Engineer

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, precision agriculture, IIoT, and related industries. Sporian is a small, growing, technically focused company looking for motivated Software Engineers to join our team. 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. In this position, you will work in a collaborative environment on multidisciplinary teams with people from a wide range of technical backgrounds who have a passion for solving difficult problems in unique ways.

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Successful candidates will be expected to work as integral members of internal project teams to develop project plans, specifications, and performance requirements for sensor systems and other related systems; and to design, implement, test, and support the software components of such systems. Software work is predominantly embedded firmware, often with PC companion software for device testing and use. Candidates must demonstrate a productive working knowledge of contemporary software engineering skills, and be capable of delivering high quality solutions on time and on budget. Candidates must have previous experience developing for embedded targets.

Education Requirements: These positions require a BS or MS degree in a closely related field or equivalent experience.

Required Skills/Qualifications:

- Experience developing firmware for embedded targets using Linux, RTOS, or bare metal. Consumer targeted smart phone app development and similar work does not count toward the desired experience.
- Ability to work in a multidisciplinary R&D environment.
- Good multitasking skills; must support multiple projects simultaneously.
- Excellent command of C and the POSIX and Linux userspace programming APIs.
- Demonstrated skill with network and database programming.
- Capable of creating and maintaining build systems using GNU GCC and make.
- Conversant with GIT or another contemporary version control system.
- Proficient developing from a Linux desktop.
- Strong written and verbal communications skills.
- This position requires work on DoD contracts that require US Citizenship or US Legal Permanent Resident status.

Desirable (but not required) Technical Experience:

- Sensor firmware design and development
- Low power and ultra-low power firmware design
- Experience with Python
- TinyOS
- In-circuit debugging
- Experience developing production quality code for external customer use
- Component and/or object oriented development experience
- Some electrical design familiarity is a plus

Additional Expectations:

- Life-long learner
- Detail oriented

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- Flexible
- Team player
- Self-motivated
- Customer oriented

Physical Context/Work Environment: Sporian Microsystems, Inc. is conveniently located in Lafayette near to US-287 in Boulder County, and close to Broomfield, Louisville and Erie. 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 sw1812@sporian.com.
- Reference: W – Embedded Software Engineer in the subject line of your e-mail.
- If possible, include a reference to example code you have written (github, bitbucket, etc.).

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.