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**Embedded Software Engineer**

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Sporian Microsystems, Inc. develops and sells a range of advanced sensor systems and is currently looking for a software engineer to work in a dynamic and fast paced environment. The ideal candidate will have the ability, drive, and creativity to contribute to Sporian's chemical/biological sensor, wireless sensor, and harsh environment sensor R&D efforts.

The successful candidate will be expected to work as an integral member 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. The candidate must demonstrate a productive working knowledge of contemporary software engineering skills, and be capable of delivering high quality solutions on time and on budget. The candidate must have previous experience developing for embedded targets.

**Education Requirements:** This position requires an individual with a BS or MS degree in computer science or computer engineering, or equivalent experience.

**Required Skills/Qualifications:**

- 3+ years of experience developing firmware for embedded targets, including bare metal and/or RTOS
- Ability to work in a multidisciplinary R&D environment.
- Good multitasking skills; must support multiple projects simultaneously
- Good time estimation and time management skills
- Excellent command of the C programming language
- Productive with the GNU GCC toolchain and GNU make
- Conversant with GIT or another contemporary version control system
- Experience with Python
- Proficient with 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
- C/POSIX application development experience for embedded targets
- Low power and ultra-low power firmware design
- 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
- Flexible
- Team player
- Self-motivated

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- Customer oriented
- Proficient with MS-Office and 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 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.

If you are interested in this job opportunity, please email a cover letter that describes how your skills and experience fulfill the above requirements along with your resume to [sw1802@sporian.com](mailto:sw1802@sporian.com) and reference: W – Embedded Software Engineer in the subject line.

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.