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Hydrogen is the future, we can sense it™

Embedded Software Quality Assurance Engineer

About H2Scan:

H2scan is the world leader in providing solid-state hydrogen sensors. Our sensors are considered the gold standard for improving electrical distribution reliability, optimizing measurements in refinery & petrochemical plants, and are ideal to monitor/measure hydrogen concentration in fuel cells, electrolyzers, and hydrogen distribution pipelines to reduce carbon emissions. When you join our team, you will be working side by side with talented engineers, scientists, and manufacturing professionals. You will be developing exciting, cutting-edge products to enable the expansion of the Hydrogen Economy, which is a cornerstone to the planet's decarbonization. From fuel cell vehicles to hydrogen-powered appliances, the opportunities are limitless. We offer highly competitive compensation, a flexible work schedule, and a fast-paced, fun work environment.

Department: Engineering
Status: Full-time; hybrid or on-site
Hiring Immediately, multiple positions open for this role

Job Description:

The Embedded Software / Firmware Quality Assurance Engineer role will help bring our world-class electronics and proprietary sensors to life through verification of robust, reliable, efficient solutions. This role also will be relied upon during design phases for new products to ensure quality needs are met by the system and software designs. Expected to invent creative methods to meet the unique and demanding quality needs.

Responsibilities:
- Collaborate with the "Sensors Group" to design test plans and procedures
- Participate in test planning and schedule creation
- Develop QA test plans for embedded software and firmware applications
- Create and execute integration and functional tests to verity embedded software and firmware
- Create and track deficiencies in ticket tracking systems
- Report test progress and deficiency rates
- Participate in design reviews across all product categories to increase cross-team awareness and ensure quality standards are met

Qualifications:
- 5+ years experience in <u>embedded</u> software testing.
- Be able to articulate subject matter expertise in all of the minimum qualifications

- Bachelor's degree in computer science, computer engineering, or electrical engineering, or equivalent practical experience
- Proven track record of designing and executing QA testing throughout all phases of the software development life-cycle
- **Experience testing software on <u>embedded</u> devices**
- Experience with requirements-based testing and requirements-based development
- Experience with issue tracking systems (such as JIRA, DevOps)
- Experience collaborating closely with embedded software development teams
- Preferred: Experience with embedded software development
- Preferred: Experience with Python software development
- Preferred: Experience with Java/JavaScript/Node.js software development
- Preferred: Industry expert with collaboration tools (Confluence, Teams, DevOps)
- Preferred: Awesome communication skills
- Preferred: Experience with agile development processes

Perks and Benefits:
- Health Insurance benefits
- 401(k)
- Life insurance
- Family leave (parental, maternal)
- Bonuses
- Equity/stock options
- Three weeks paid vacation
- Paid sick days
- FSA/HSA
- Cell phone reimbursement