27215 Turnberry Lane
Suite A
Valencia, CA 91355
Tel 661.775.9575
Fax 661.775.9515
www.h2scan.com

Hydrogen is the future, we can sense it™

Enterprise Architect/Software Lead

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, electrolysis, 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.

Job Description:

Location: Remote, hybrid, or on-site
Type: Full-time

The Enterprise Architect / Software Lead role will bring our world-class electronics and proprietary sensors to life through implementation of robust, reliable, efficient solutions. H2scan software is crucial to the verification and support of our core hydrogen sensor business. We are actively expanding our scope of software deliverables and refining process and procedures throughout the software development life cycle. This is a hands-on position with lead responsibilities covering cloud and web to mobile and desktop applications.

Responsibilities:
- Collaborate with software and program teams to enhance standards and procedures
- Review and refine existing designs utilizing industry standard principles and designs
- Architect new solutions to enable expanding market segments
- Lead software and program teams to establish plans and schedules
- Lead software development teams in execution of plans to achieve objective
- Collaborate with "Sensors Group" to design software and data solutions
- Collaborate with production and manufacturing engineers to design software solutions
- Hands-on development of software integrations for H2scan products
- Create and execute unit tests to verify functionality of modules
- Collaborate with Software QA group to ensure stable and verified deployments

6/21/2022

- Lead code reviews for all software products
- Mentor junior engineers in industry standards for design and implementation
- Work with Products Managers, UX researchers, designers, and other stakeholders to establish requirements and development plans

Qualifications:
- Must have 9+ years experience in software design and development or related fields and must be able to articulate subject matter expertise in all of the minimum qualifications
- Bachelor's degree in computer science, computer engineering, or equivalent practical experience
- Proven track record of delivering solutions throughout all phases of the software development life-cycle
- Experience leading software development teams
- Experience architecting enterprise level software applications
- Experience deploying distributed applications and microservices utilizing web technologies, local and remote data management, access control structure, and IoT capabilities
- Architect level knowledge in one or more cloud infrastructure: Azure cloud, Google cloud and/or AWS
- Strong understanding of .NETcore 5 (C#) software development
- Experience with Angular, ReactNative, Node.js, and JavaScript
- Working knowledge of serialization protocols (e.g. gprc, protobug, MQTT, etc.)
- Experience with Python 3.x
- Experience with Microsoft DevOps tools
- Awesome communication skills
- Preferred: Experience with C++ software development
- Preferred: Experience with collaboration tools (JIRA, Confluence, Teams)
- Preferred: Experience with advanced design patterns such as dependency injection/IoC and SOLID
- Preferred: Experience with .NETcore 6
- Preferred: AI platforms
- Preferred: Big Data / Data analysis & analytics
- Preferred: Splunk
- Preferred: Azure cloud
- Preferred: Google cloud
- Preferred: AWS

Benefits:
- Health Insurance benefits
- 401(k)
- Life insurance
- Family leave (parental, maternal)
- Bonuses
- Equity/stock options
- Three weeks paid vacation

6/21/2022

- Paid sick days
- FSA/HSA
- Cell phone reimbursement

H2scan is an Equal Opportunity Employer