



**Position:** Systems Engineer – Product Technical Support  
**Location:** Carlsbad, CA

**Purpose of the Position:** This position will be the internal expert for systems related topics and will be integral in evaluating and executing improvements. The Systems Engineer will also be responsible for providing customer solutions to inquiries and interfacing with Scientists to provide the best overall customer experience. The individual will also be integral in assessing new system technologies.

**Essential Duties and Responsibilities** (other duties may be assigned):

- Oversee and drive to completion system improvement projects.
- Understand obsolescence of electrical components to provide paths for smooth component transitions.
- Work with Scientists to keep placed systems productive.
- Write requirements and design documents.
- Create validation plan and procedures, execute the validation, and create the validation reports.
- Interface with System Contract Manufacturer to resolve manufacturing issues.
- Assess and provide opinions for system alterations, cost reductions and system optimization.
- Interface with Software on integration activities
- Build strong working relationships in cross-functional project teams to develop and commercialize new diagnostics product.
- Participate in troubleshooting activities as necessary to determine the root cause for failures as well as identify and verify corrective actions.
- Provide an open environment and promote teamwork across the organization.
- Demonstrate and advocate the Cultural Beliefs.

**Supervisory Responsibilities:** None

**Qualifications / Experience:** To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Five+ years of experience in medical diagnostic instrument product development, system maintenance and instrumental troubleshooting
- Understanding of system requirements for molecular diagnostics
- Experience with printed circuit board assemblies and digital signal processing
- Experience with data processing techniques (filtering and smoothing of data, regression analysis, curve fitting, numerical models, etc.) is essential
- Experience with statistics and related analysis methodologies
- Experience with LabView and C# language
- Comfortable working in a fast-paced, dynamic environment while juggling multiple projects
- XML and database knowledge is a plus
- Working knowledge and experience of design control, quality system and risk assessment.

**Education:**

BS degree in Electrical Engineering, Biomedical Engineering, Analytical Chemistry or related discipline.

**TO Apply:**

Please email your resume to [careers@genmarkdx.com](mailto:careers@genmarkdx.com) and **include the Job Title in the subject line of your email.**

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