



Job Details for: **Electrical Engineer**

POSITION SUMMARY:

The primary responsibility of this position is R&D product development at a systems level. This position will be key to the success of BIT's multi-disciplinary R&D team. Tasks and activities will be focused around system and module level configuration documentation, system integration and debugging, data gathering and analysis on R&D prototypes and finished designs on a variety of computer controlled medical instruments. Embedded instrument technologies include robotics, circuits, software, optics, temperature control, fluidics and pneumatics.

ABOUT THE COMPANY:

BIT Group is the leading resource for turnkey development and manufacturing of IVD instrumentation and complex life science products. Our senior staff members have an average of fifteen years' experience in the industry, each with a long history of successfully developing and manufacturing medical devices, in vitro diagnostic instruments and bioresearch platforms.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Provide overall electrical system implementation and integration leadership
- Generate wiring drawings, block diagrams, and report documents that define and describe the functionality and performance of an instrument (systems and modules)
- Analyze and perform required testing, test documentation and test reports involving the control of robotic arms, liquid handling systems, temperature and pressure control and various sensor inputs
- Actively attend, participate and chair design reviews
- Assist R&D team in failure investigations and root cause analysis

JOB QUALIFICATIONS:

- MSEE preferred
- 3 to 5 years of experience as a hands-on systems design engineer
- Prior medical diagnostic instruments (IVD) experience a plus
- Hands-on experience with planning, documenting, testing and launch of complex electronic systems that include precision control and monitoring of robotic arms, chemical reactions, and fluid delivery

INTERPERSONAL SKILLS:

- Highly organized - Excellent follow through and follow up skills; results and delivery oriented
- Ability to work under the pressure with changing priorities and workload
- Good inter-personal skills, along with exceptional communication and documentation skills
- Team player and collaborator, fostering knowledge sharing with multi-functional team members
- Execute tasks in a timely manner without direct supervision

**BENEFITS:**

BIT Group achieves excellence in organizational development by encouraging the professional and personal growth of our employees. Our commitment to the health and happiness of every employee is demonstrated in the following programs:

- Comprehensive medical, prescription drug, dental, and vision insurance for employees and dependents
- Company paid life and AD&D insurance
- Voluntary (employee paid) supplemental life, AD&D insurance for employee, spouse, and children
- Company paid short term disability
- Company paid long term disability
- 401(k) pre-tax and Roth employee contributions
- 401(k) "Catch Up" contributions for employees age 50 and over
- Flexible Spending Accounts (health care, dependent care)
- Discount tickets to Southern California attractions
- Employee celebrations and events throughout the year

BIT Group is committed to hiring and retaining a diverse workforce. We are proud to be an Equal Opportunity/Affirmative Action-Employer, making decisions without regard to race, color, religion, creed, sex, sexual orientation, gender identity, marital status, national origin, age, veteran status, disability, or any other protected class.