Mechatronics Engineer

Driptech works to make small-plot farming more profitable. We design and manufacture affordable irrigation technologies for small-plot farmers in India and other developing countries. Our venture capital-funded American startup has covered over 15,000 acres with low-cost high-quality drip irrigation, and plans to grow 5x over the next year. Driptech was selected as a 2012 Technology Pioneer by the World Economic Forum, named by Business Week as one of the world's most intriguing new companies, and voted by its readers as one of the top 5 most promising social ventures in America.

Job Description

Driptech is seeking an enthusiastic and highly capable Mechatronics Engineer. This is a full-time position. It requires strong circuit and software development skills. The ideal candidate will have first-hand experience with how products are specified, designed, developed, validated, manufactured, inspected, and released for sale. The position requires direct, hands-on experience in designing and manufacturing products, as well as a proactive, dedicated, and hardworking mentality. You'll be working closely with the Director – Technical Operations based in Pune.

Responsibilities:

- Maintain, design and develop the analog and digital circuits of our proprietary laser-manufacturing technology
- Maintain, design, code, and test software for embedded micro-controllers operating in extreme industrial environments
- Maintain, develop and test optical sensing systems for Quality Assurance purposes
- Source and procure off-the-shelf electronic and electromechanical parts
- Create schematics, layouts, BOMs and wiring harness documentation for new parts and assemblies
- Design wiring harnesses to connect PCBs and modules
- Help establish and support manufacturing in India and other countries as we continue to grow
- Assemble and test circuit boards and wiring harnesses using soldering irons, crimp tools, etc
- Coordinate with outside vendors to fabricate custom electronics
- Help evaluate and improve the quality and reliability of our manufacturing technology
Background and Skills:

- 3 to 5 years experience in Mechatronics system design and product development
- Bachelor of Mechanical Engineering, focusing on Mechatronics, Robotics, Electromechanical systems, or equivalent
- Demonstrated digital and analog circuit design, fabrication, and debugging experience
- Demonstrated embedded programming experience in C or C++
- Experience using a variety of sensors
- Hands-on mechanical skills, and a passion for making things

Desired Extras:

- Passion for engineering with social impact
- Experience with optics, machine vision, and lasers
- Experience working in highly innovative, design-driven environments
- Altium Designer schematic capture & PCB layout
- Experience building system models, using them for analysis, simulation, and control
- Other software: LabVIEW, Matlab, Simulink, etc.
- Reliability and Quality engineering skills, e.g. Design For Six Sigma
- Quality Control & Statistical Process Control
- Machining skills, CAD, CAM, and CNC

Compensation:
Driptech offers a competitive salary commensurate with the candidate’s level of experience and skill.

How to Apply:
Please submit your resume and cover letter to: jobs@driptech.com with "Mechatronics Engineer" in the subject. To learn more about Driptech, please visit our website at www.driptech.com