 **Position Description**

**Software Engineer**

**Job Summary:**

This position will be responsible for performing software design responsibilities, including; creating software development plans and design documentation, implementing programs, performing code reviews, testing and final release; debugging and testing software; developing interfaces and providing software support to customers. This position will report to a manager or senior engineering staff.

**Key Responsibilities:**

* Perform software design responsibilities to meet specific performance requirements of our high power burn-in systems.
* Debug complex software implementations.
* Integrate software on product hardware.
* Create and implement detailed software test plans to ensure software design meets the specifications and quality.
* Work closely with senior staff on project implementation.
* Work closely with other engineering disciplines, manufacturing and the customer throughout the design and testing phases.
* Document and transfer developed solutions to manufacturing team.
* Provide software support for new and released products to customers.
* Interface with management regarding software requirements and project status.

**Required Qualifications:**

* Bachelor degree in Computer Science, Software Engineering, Electrical Engineering or related field, or extensive relevant experience.
* Minimum of two to four years relevant experience.
* Strong C++/C# in Microsoft Visual Studio environment, along with object-oriented design, analysis and software debugging.
* Experience with source control system such as Git or CVS.
* Strong troubleshooting skills and debugging skills.
* Ability to multi-task with minimal supervision while working independently or in a team environment.
* Strong written and verbal skills.

**Preferred Qualifications:**

* Knowledge of hardware systems.
* Software testing experience.
* Experience with Python, Java, SQL.
* Experience with communication protocols (MODBUS, Ethernet).
* UX/UI design experience.
* Database design and integration experience.

**Company Description:**
Micro Control Company is an industry leading manufacturer of electronic burn-in test systems for high power logic semiconductors. Our large test ovens are capital equipment for major semiconductor manufacturers.

Micro Control Company offers competitive wages and benefits including health; PTO; paid holidays; a matching 401(k) plan and a discretionary profit sharing bonus. Please e-mail a cover letter and resume to: mcchr@microcontrol.com to be considered for this position (using the job title for the subject).

Micro Control Company
7956 Main Street NE
Minneapolis, MN 55432