

## **Job-Title: Firmware Validation & Development Engineer**

### **Responsibilities:**

- Stays current with firmware development methodologies.
- Typical activities include design and implementation of data structures, software algorithms, data path, and drivers for HW cores to deliver cutting-edge storage products.
- Debugs issues involving advanced drive features across a wide variety of hardware and software platforms, including PC's, servers, RAID, and various operating systems (Windows and Linux).
- Follows department processes and guidelines for firmware development and strives to meet company goals and objectives.
- Works with cross functional teams to bring up new hardware and develop embedded firmware for storage products.
- Documents findings of engineering analyses and investigations.
- Creates design documents pertinent to the various phases of firmware development.
- Validate functionality, integrity, protocol compliance and performance of storage products in support of the firmware development process with guidance and support.
- Manage day to day test execution, debug failures found in test and create/work issue tracking cases to resolution with guidance and support.
- Assist in communicating test status, reports and metrics to firmware engineering and program management teams in support of each programs objectives and schedule.

### **Experience required:**

- Bachelor or Master in Computer Science, Computer/Electronics Engineering or equivalent required.
- 0-2 plus years of embedded firmware experience.
- Extensive knowledge of C/C++, assembly languages and code development processes with debug emulation and simulation tools.
- Familiarity with micro-controller architecture (ARM or ARC), embedded systems desired.
- Capable of quickly learning new firmware, hardware, systems, tools, and methodologies.
- Experience in ATA, SATA, SAS and SCSI is a plus.

### **Soft skills:**

- Must have a high degree of problem solving skills and solutions oriented.
- Must have strong interpersonal skills.
- Ability to effectively manage projects and tasks to deliver deadlines and commitments.
- Be able to work under pressure for quick resolution and delivery.
- Excellent communication skills (written and verbal).