

Solid State Drive Firmware Development Engineer/Colorado

As an SSD Firmware Development Engineer at this international corporation, you will develop high-performance controller firmware for [Solid State Drives](#) based on NAND Flash memory products. In this position, you will assist in evaluating, designing, and building firmware for new high-performance mass storage controllers that will optimize performance, endurance and reliability for the target markets. You can expect to work closely with fellow firmware engineers, system hardware design engineers, product engineers, Flash memory design engineers, and production engineers to solve cross-functional design issues.

Responsibilities for this position include development of structured source code targeting the embedded environment associated with Solid State Drives. Additionally, you will verify design using a variety of verification methods, including simulation, FPGA prototyping, and product testing. Your focus will also be on firmware quality in the system and the target application. As needed, you will develop new test tools and methods. Using analysis equipment or software, you will demonstrate the effective analysis of functional or performance issues with the firmware and hardware in test environments or target host systems.

Successful candidates for this position will have:

- Two or more years of relevant industry experience in embedded firmware development.
- Proficiency in firmware design using assembly and C programming.
- Knowledge of mass storage systems (hard disk), Flash memory, and device drivers (preferred).
- Knowledge of mass storage interfaces such as SATA & SAS
- Proficiency in debugging in an embedded firmware application.
- Proficiency in using development tool chains targeted for embedded processors
- Experience in test equipment such as oscilloscopes and logic/bus analyzers are optional, but desired.
- The ability to analyze complex firmware and hardware issues.
- A high level of skill in problem recreation and trapping.
- A high level of skill in identifying performance critical algorithms for optimization.
- The ability to find creative solutions to difficult problems.
- A working knowledge of digital hardware design is optional, but highly desired.
- A high level of self-motivation, and dedication.
- The ability to work well on a team based in different world wide locations.
- The ability to multitask effectively in fast-paced environment.
- Excellent communication and interpersonal skills.
- Hands-on experience in firmware development and verification, system failure analysis, and problem solving.

Education:

MS or BS in Electrical Engineering or Computer Engineering is required

All qualified Candidates please e-mail your current word doc. resume to Rose Marie Studer at rmstuder@comcast.net

You will be called back for a preliminary interview within 24 hours including weekends.