



Senior Software Development Engineer, NVMe Test System

A position is open for a Sr. Software Development Engineer at SANBlaze Technology, Inc., a leader in NVMe test platforms and Storage Emulation systems for the rapidly growing NVMe market. SANBlaze is the leading test tool for Fabric (Network) and PCIe connected NVMe devices and is in a rapid growth phase as we develop test systems used by all major players in the NVMe world including Intel, SK_Hynix, Dell, Microsoft, Western Digital, Micron and many others.

In order to support our rapid growth and to accelerate the introduction of our next generation of storage test systems, SBExpress-RM5 and DT5, PCIe Gen5 test appliances, and our industry leading *Certified by SANBlaze* test suite, we are in immediate need for a seasoned and accomplished software developer.

This position requires a software engineer with a background in Linux and Storage, and must be accomplished in the interaction between the hardware and the software, including the ability to interpret a Linux crash dump and support software drivers, tools and applications.

The right candidate will have a solid knowledge of the NVMe specification and operation, and if not, a very solid knowledge of the SCSI specification and a capability and willingness to quickly learn the NVMe specification and implement positive and negative test cases running under the SANBlaze test framework.

We are a small team of engineers, are well funded and profitable, and work in a truly collaborative environment where all team members mentor each other and work in collaboration with sales and our customers to produce products that exceed customers expectations.

SANBlaze is located west of Boston with customers worldwide. We pride ourselves on our first class product quality and customer support and are currently expanding the team that stands behind our reputation for quality.

SANBlaze offers an entrepreneurial work environment backed by a world class and highly respected engineering team. This position offers the opportunity to learn and succeed at a rapid pace as SANBlaze expands our footprint in the rapidly growing NVMe market.

The ideal candidate is a highly motivated engineer who loves to code and enjoys solving problems. At SANBlaze we encourage independent thinking and innovation. You should be telling us the next big thing you want to take on to advance our leadership position in the NVMe test tool market.

SANBlaze welcomes diversity and measures our employees solely on creativity and talent.

JOB SUMMARY

As a member of the software development team, this position will be responsible for the development of our upcoming Gen5 NVMe test platform SBExpress-RM5 as it exits the prototype stage and enters the market. SANBlaze will be the first to offer a Gen5 NVMe platform and the key to the development role will be to ensure the system meets the level of quality our customers demand.

The successful candidate must have an in-depth knowledge of Storage Protocols and concepts including Block, File and Object storage, Storage Area Network (SAN) concepts, and transports including NVMe, SAS, FibreChannel, and Ethernet.

We highly value thinkers and self-motivated employees, who can interpret, improve and execute tests and functionality for our systems that keep us ahead of the competition. You will be encouraged to be innovative and meet with

customers directly (by zoom/webex) to be sure we are meeting their expectations and addressing their concerns through our "Jira" support system.

The candidate will attend related software and hardware strategy, release and qualification meetings and take direction from senior members of the engineering staff and the VP of sales. It is expected that the development engineer will be self-motivated, and will quickly become a valuable member of the team.

RESPONSIBILITIES

- Play a lead role in the development of NVMe software and tools, including:
 - Developing tests under the SANBlaze Python framework to validate compliance
 - Developing and debugging NVMe on a Linux platform
 - Debugging driver and system issues related to customer issues
 - Writing and maintaining "White Papers" for marketing explaining new features
- Direct and mentor the qualifications team, including:
 - Explaining and supporting new code and features as the team develops qualification plans
 - Tracking issues in JIRA and Bugzilla systems, and responding in a very timely manner to any issues affecting customers
- Reproduce customer issues in-house, including:
 - Working with the quality team to set up the required scenario to reproduce
 - Analyze and "root cause" the given issue
 - Communicate directly with the customer via Jira to resolve issues in a timely manner

MINIMUM REQUIREMENTS

- BSEE/BSCS
- Fluency in C including development, maintenance of drivers and tools
- Fluency in Python development
- 5 - 10 years experience in software development
- In-depth storage products and protocol knowledge (NVMe, NVMe-oF, FC, FCoE, SCSI, iSCSI, RoCE)
- Solid understanding of Linux including kernel development and debug
- Knowledge of storage and network controllers

REPORTING

The Senior Software Development Engineer will report to the VP of Software Engineering.

TRAVEL

Occasional travel may be required.

HOW to APPLY

Send your resume to Michelle Holmes at: mholmes@sanblaze.com.