



TITLE: STAFF GPU SOFTWARE ENGINEER

LOCATION: REMOTE IN THE US

Who We Are:

GigalO has invented the first truly composable universal dynamic infrastructure fabric, empowering users to accelerate workloads on-demand, using industry-standard PCI Express/soon CXL technology. As a global leader in Composable Infrastructure (CI), our open platform allows users to effortlessly manage and configure “physical” bare metal server systems in seconds. GigalO’s FabreX™ open architecture allows users to configure their physical server infrastructure on-the-fly while enabling true datacenter disaggregation.

Does getting in on the ground floor of a data center technology that is disrupting the computing, HPC, and AI industry make your heartbeat a little faster? Does the excitement of joining a team of exceptionally talented and motivated technologists at a well-funded, startup sound attractive?

What You Will Do:

We are looking for a **GPU Software Engineer** to help build our software platform and infrastructure to leverage our FabreX™ interconnect for best-in-class performance for GPU accelerator utilization in HPC applications, including GPU-to-GPU and GPU-to-Storage communication. The successful candidate will be accustomed to developing High Performance Linux Drivers and Libraries, and take initiative and ownership for extracting the highest performance possible from the unique capabilities available in FabreX™. The candidate will work with engineering leadership to establish objectives, and execute strategic, cross-functional initiatives to solidify and evolve the operating system driver foundation for NVIDIA, Intel and AMD GPU computing hardware and software products.

Responsibilities:

- 5+ years of development experience in systems software
- Good understanding of CUDA, OpenACC, OpenCL, GPU Direct and GPU Direct RDMA, NCCL/RCCL.
- Knowledge of Linux drivers and kernel space programming
- Strong Linux architecture knowledge
- Proficiency in C

Qualification and Experience:

- Experience writing Linux device drivers for high-performance I/O devices, such as NVMe, OFED (InfiniBand, RoCE, iWARP) or DPDK.
- Experience with PCI Express and single-root I/O virtualization (SR-IOV) a plus
- Experience with open source community initiatives a plus
- A clear passion for learning emerging technology independently and BS degree (MS or PhD desired) in Computer Engineering, Computer Science, or similar a plus

Contact Information:

Send your cover letter and resume to Careers@gigaio.com