

Software Engineer/Programmer Position (full-time)

Overview:

X-ScaleSolutions is a start-up based in Columbus, Ohio. We specialize in a range of high-performance and scalable solutions for current generation systems ranging from small deployments of a couple systems to multi-petaflop systems and the emerging Exascale systems. The mission of the company is to develop innovative and leading-edge software products, with a focus on four areas: 1) High-Performance Computing, 2) Deep/Machine Learning, 3) Big Data, and 4) Cloud Computing.

Are you interested in working on state-of-the-art hardware, software and middleware?

X-ScaleSolutions is looking for an enthusiastic Software Engineer/Programmer with desired experience in High-Performance Computing (HPC), Message Passing Interface (MPI), Deep Learning (TensorFlow, PyTorch, Horovod) and network programming with modern HPC interconnects (InfiniBand, Omni-path, 10-100GigE/iWARP and RoCE) and accelerators (GPUs) to join our team.

The software engineer/programmer is expected to work in a project team, take a lead role to design and develop major functional units, and perform continuous unit level and system level debugging and testing for commercial products with novel features. This position will maintain technical documents, bug-tracking systems, and manuals.

Technical expertise required:

- Strong experience in Linux
- C programming
- Network programming, such as TCP/IP and low-level networking stacks
- Experience on HPC technologies and platforms

The ideal candidate will have:

- Knowledge of HPC, MPI standard, multi-core processors, GPUs/accelerators, and high-performance networking.
- Knowledge of InfiniBand, High Speed Ethernet, Omni-Path, or similar high-performance networking technologies.
- Familiar with the typical design cycle (design, develop, test, tune, release, bug fixes, etc.) for producing and maintaining high quality software and the associated tools
- The ability to work in a team setting
- A background in computer science or computer engineering

This is a full-time position, though part-time candidates will be considered. Flexible schedule and remote position. Healthcare, retirement and PTO package provided. Must be eligible to work in the US.

Please email contactus@x-scalesolutions.com with a copy of your resume for more information.