



Ampere is leveraging the depth and expertise within the cloud and semiconductor industries to push the boundaries of emerging cloud applications. Our world class team of scientists are focused on the development of new semiconductor designs and building out the first software ecosystem for Arm®-based server processors. We give our customers the freedom to challenge the status quo and accelerate next-generation data centers for the most memory-intensive applications.

Ampere Computing's Headquarters are located in Santa Clara, California, USA. Sales and Engineering offices are located throughout the world.

Vietnam Design Center provides good compensation and benefit programs and working conditions.

Company website: <http://www.amperecomputing.com>

Please forward resumes to vnjobs@amperecomputing.com

Software Engineer

Job Description

Be part of a software engineering team to design, develop Linux kernel services, command/utilities, and hyperscale applications for our state-of-the-art 64-bit ARM (ARM-64) System-On-Chips.

Responsibilities

- Architect, design and develop Linux kernel device drivers for 64-bit ARMv8 SoC processors
- Make modifications to U-boot and/or UEFI BIOS, Linux kernel and kernel configuration for bring-up and testing of the Linux kernel in a server environment
- Develop and support Linux applications for hyper-scale cloud computing and network virtualization. Measure and characterize different applications workloads and implement necessary performance optimization.
- Work with world-wide Linux and opensource communities for code review, bug fixes, and common code submission. Participation in ecosystem and developer program for our platforms.
- Support Field Applications Engineers to drive Ampere Computing's customers to production.

Qualifications

- Self-motivated, strong sense of ownership, good team player. Being able to handle multiple tasks at once and work independently with minimal managerial oversight.
- Excellent C or C++ programming and problem-solving skills.
- Extensive knowledge of Linux kernel services and Linux device driver internals. Experienced with board bring-up and device driver debugging.
- Capable of reading and understanding hardware schematics, interface specifications and creating software that interfaces with the hardware.
- Good English communications skills, both verbal and writing.
- Willing to take short-term international travel to the U.S. or other Asian or European countries

Additional skills

Any of the following is highly desirable:

- Working knowledge of processor architectures (ARM/ARM64, x86)
- Good understanding of U-boot or UEFI BIOS bootloader
- Experienced with CPU/Memory Management/IO, Virtualization technologies, and Network resource management
- Working knowledge of hyperscale applications such as Hadoop, Apache/NGINX, HHVM, MySQL, JVM, etc.
- Working knowledge of SATA, PCIe, USB, DDR4, I2C, SPI, Networking stack, etc.

Location

Ho Chi Minh City, Vietnam.