UPLOGIX INC.

Senior Linux Developer

Uplogix appliances automate administration, maintenance, and recovery tasks of devices from manufacturers like Cisco, Juniper, and iDirect securely and regardless of network availability. Our software runs on a virtual machine and custom hardware designed by Uplogix.

Uplogix is a small company with a highly skilled engineering team. You will work directly with software and hardware developers. We are a small team that does what it takes to get things done. While we have a QA team, you should also enjoy owning and maintaining your own test environment including networking equipment, communication devices, virtual machines, and Uplogix appliances. We have several onsite labs that house test equipment: virtual machine servers, continuous build servers, and test integration systems.

Uplogix designs and builds a custom hardware appliance that runs a custom distribution of Linux with a Java application. The role for this position is to be our go-to for all things related to Linux. Responsibilities include maintaining a Linux build (Yocto) with targets for both Intel and ARM; this requires an understanding of the Linux kernel and drivers. Other responsibilities include debugging drivers and microprocessors that interact with our hardware. This is an opportunity to make a direct impact on the success of our products and company.

Responsibilities

- Linux build system improvements and maintenance (Yocto)
- Linux kernel driver debugging (USB, serial, I2C, PCIe)
- Linux maintenance (CVE patches, kernel upgrades)
- Linux configuration (network scripts, sysctl, udev, log files)
- Manufacturing test automation (shell and C)
- Troubleshoot prototypes, RMAs, and manufacturing issues
- System bring up for new devices

Required Qualifications

- Proficient with C (5+ years)
- Proficient in shell scripting
- Advanced knowledge of Linux operating systems
- Ability to read schematics

Desired Qualifications

- Experience with networking (IP routing, ARP, DHCP, DNS, NTP, PPP, tcpdump)
- Experience with Linux networking (iptables, nftables, IPsec, VTI, ip-xfrm)
- Experience writing software at a small company (< 200 total employees)
- Self-driven with excellent communication skills
- Enjoys tinkering with hardware

Additional Information

Candidates must be authorized to work in the US as permanent residents. We are not offering relocation or sponsorship.