Wireless That Just Works

Cambium Networks

JOB DESCRIPTION – Sr. Platform Architect
Location: US - Remote

Date: November 18th, 2021

Department Description:

Cambium Networks develops Point to Multipoint, Point To Point RF and WLAN Access solutions in both unlicensed and licensed bands. Cambium Networks has an extensive portfolio of reliable, scalable and secure Wi-Fi, fixed wireless broadband point-to-point (PTP) and point-to-multipoint (PMP) platforms; managed by cloud-based software. Cambium Networks makes it possible for service providers; enterprises; governmental and military agencies; oil, gas and utility companies; Internet service providers; and public safety networks to build powerful communications networks, and intelligently manage their infrastructure.

Headquartered in Rolling Meadows, IL, outside Chicago, with R&D centers in Silicon Valley USA; Ashburton, UK; Bangalore, India; and Kiev, Ukraine.

Scope of Responsibilities/Expectations

As a **Sr. Platform Architect** in the WLAN team, you will be part of a world-class, highly motivated, and skilled team of Linux Embedded system and Wi-Fi engineers who are committed to delivering high-performing and reliable wireless equipment to customers in various verticals from ISPs and Enterprises to Federal Governments.

- Set the platform vision for the next 5+ years to be prepared for changes in technology and use cases.
- Collaborate with Hardware, Supply Chain and Manufacturing teams to ensure smooth, efficient, scalable, and secure operations.
- Assist with the diagnosis and resolution of customer problems.
- Contribute to all phases of the software development lifecycle, from gathering and defining requirements, high-level and detailed design, coding, and implementation, to unit and integration testing.
- Guide the global team with best practices in building and testing platform firmware on multiple hardware products efficiently.
- Should have 15-25 years of experience, preferably in a wireless networking domain.

Specific Knowledge/Skills

- Strong embedded development skills in *C, Data Structures & Algorithms.*
- Respect towards *code quality* & "*shift-left*" principles.
- Strong understanding of *Linux OS concepts* (including networking, storage and IO subsystems and device drivers) and experience of developing embedded Linux system software.
- Strong experience in hardware design review, board bring-up, JTAG, hardware diagnostics, U-Boot.
- Experience with debugging kernel crashes, generating kernel fixes and diagnosing bricked hardware.
- Experience with managing CVEs in Linux and other Open-Source packages.
- Strong experience working with Openwrt or Buildroot.
- Knowledge of Shell(bash) scripting, build systems and debugging build errors.
- Good understanding of *TCP/IP networking* protocols.
- Good knowledge of ARMv7 and ARMv8 architectures

Desirable:
- Experience with secure manufacturing and trusted platforms.
- Experience with Git, Jenkins, Jira, AWS, Golang, Python.
- Experience with developing *portable software* for multiple products & multiple platforms.
- Exposure to **Wi-Fi** or other wireless protocols.