

JOB DESCRIPTION FORM

Department Description
<p>Cambium Networks is a leading global provider of wireless broadband solutions that connect the unconnected – People, Places and Things, from 2 meters to 245 kilometers.</p> <p>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.</p> <p>Headquartered in Rolling Meadows, IL, outside Chicago, with R&D centers in Silicon Valley USA; Ashburton, UK; Bangalore, India; and Kiev, Ukraine.</p> <p>The Bangalore engineering department is a major R&D center for software, hardware, RF, and test, with customer support, production support, finance and HR on-site. Located in the Silicon Valley of India, the team is best placed to offer engineering expertise to product development globally.</p>
Scope of Responsibilities & Position Expectations
<ul style="list-style-type: none"> • Report to the software development manager in the engineering department. • Rigorous and self-driven design, development and maintenance of software for high-speed wireless IP products. • Responsible for concise documentation at all phases of the development lifecycle. • Timely production of well-architected, robust, unit tested, commercial quality deliverables. • Interact and coordinate with members of other engineering and production teams. • Assist with the diagnosis and resolution of customer problems. • Organize and work in project teams developing software for Cambium Networks products and radio features, including drivers and embedded features, integrating third-party packages, non-embedded support and test automation applications. • Drive, participate and contribute to all phases of the software development lifecycle, from gathering and defining requirements, high-level and detailed design, coding and implementation, through to unit and integration testing. • Follow the departmental software development processes.



Knowledge/ Skill Requirement

Required (Technical):

- Strong development skills in **C, Data Structures & Algorithms**
- Respect towards **code quality** & ability to produce quality code for commercial products
- Strong understanding of **Linux OS concepts** and experience of developing Linux system software
- Experience in building **kernel-networking modules**
- Exposure to developing drivers, and integrating hardware, firmware and software
- Exposure to **event driven** software design & development
- Experience of developing **portable software** for multiple products & multiple platforms
- Experienced and proficient with the **full software development lifecycle**: requirements analysis, design, coding & reviewing, contributing to test plans, testing and fault diagnosing, fixing and support of product releases
- Exposure to Wi-Fi protocols (802.11n, 802.11ac, 802.11i etc.)

Required (Personal):

- Seasoned experience of software engineering best practices
- Strong analytical, problem solving and creative abilities
- Excellent verbal and written communication skills
- Desire for continuous learning
- Experience of working in cross-site, multi-national teams
- The candidate must be team-focused and highly self-motivated with a desire to explore new approaches and technology in a fast-paced software development group.

Desirable:

- Experience of working under distributed version control (e.g. Git)
- Experience of working with Openwrt or Buildroot.
- Exposure to 802.11ad / ay WiGig standard.
- Knowledge of Shell scripting, Makefile & scripting language (e.g. python).