

Senior Software Engineer Ashburton, United Kingdom

Department Description

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.

Cambium Networks has an extensive portfolio of reliable, scalable and secure WiFi, 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 the USA; Ashburton, UK; Bangalore, India; and Kiev, Ukraine.

The UK engineering department is a major R&D center for software, hardware, RF, and test, with customer support, production support, finance and HR on-site. Our industry-leading PTP products (for high-speed Ethernet backhaul in difficult non-line-of sight environments or over long distances) have been recognized by 2 Queen's Awards in 2 years: one for innovation, and one for export.

Scope of Responsibilities & Position Expectations

- Report to the software development manager in the engineering department.
- Rigorous and self-driven design, development and maintenance of software features 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.
- 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.
- 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.

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Knowledge/Skill Requirement

Required (Technical):

- Complete mastery of embedded software development in C (or C++)
- Extensive experience of RTOS
- Experience of developing Linux software, ideally kernel / embedded, porting
- Experience of developing drivers, and integrating hardware, firmware and software
- Experience of developing portable software for multiple products & multiple platforms
- Strong scripting experience (e.g. bash, awk, Python, Perl)
- 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

Required (Personal):

- Seasoned experience of software engineering best practices
- Strong analytical, problem solving and creative abilities
- Excellent verbal and written communication skills
- 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 or Mercurial)
- Experience of working with RF and wireless technologies
- LAN/WAN telecommunications knowledge