UNIDEL

Senior Software Engineer (Embedded Linux)

Engineering • 3-7 • FullTime • Pune • 191

Job Title: Embedded Wireless Protocol Engineer
Location: Pune. Complete Work from Office
Experience: [3–7] years
Job Type: Full-time
Job Description:
We are looking for a skilled Embedded Wireless Protocol Engineer with hands-on experience in Zigbee, Matter, Thread, and BLE technologies. The ideal candidate should have a strong background in Linux-based systems, with practical experience working on OpenWrt. Familiarity with prpl Foundation technologies is an added advantage.
Key Responsibilities:

- Work on Linux-based embedded systems, specifically OpenWrt, for networked devices.
- Design, develop, and maintain wireless communication protocols including Zigbee, Matter, Thread, and BLE.
- Integrate and troubleshoot protocol stacks and device firmware.
- Participate in system design discussions and provide technical recommendations for connectivity solutions.
- Collaborate with cross-functional teams to implement secure and scalable IoT solutions.
- Optimize performance and ensure reliability of protocol implementations on embedded platforms.
- Optional: Work with prpl Foundation tools and frameworks to enhance device capabilities.

Experienced in implementing secure development methodologies, ensuring robust protection of sensitive data and systems integrity.
Mandatory Skills:

- Proficient in C/C++ programming and embedded system debugging.
- Hands-on experience with OpenWrt development and customization.
- Strong understanding of Zigbee, Matter protocols.
- Embedded Linux development experience (kernel, drivers, and application layer).
- Knowledge of networking and IoT protocols.

Additional Advantage:

- Experience with prpl Foundation stack and related tools.

Education:

- Bachelor’s or Master’s degree in Electronics, Computer Science, Telecommunications, or related field.

Soft Skills:

- Strong problem-solving and analytical skills.
- Excellent communication and teamwork abilities.
- Ability to work independently and take ownership of tasks.