

Dear Job Aspirant,

We wish to connect with you for below position of Lead Software Engineer-Embedded Zigbee

* Designation: Lead Software Engineer
* Qualification: B.E - Instrumentation/Electronics/ E&TC/Computer Science or equivalent
* Location: Pune
* Experience: 6-10 years

**Company Profile :**

At Softdel, we empower global enterprises and OEMs to navigate their AI journey with confidence by leveraging our extensive expertise in IoT, Cloud, Data Analytics, and Product Engineering Services. We specialize in unlocking real-time data from machines and equipment, transforming trapped data into actionable insights that drive efficiency and sustainability. As a trusted Engineering and R&D partner, we bridge the gap between device connectivity, enterprise integration, and user interaction, enabling our customers to accelerate their AI readiness.

With two decades of experience and deep domain knowledge, we take pride in co-creating robust transformation solutions that empower our customers to drive innovative use cases, achieve tangible benefits, secure a strong return on their investments, and meet their sustainability goals.

For more information, visit [www.softdel.com](http://www.softdel.com). Follow on [LinkedIn](https://www.linkedin.com/company/softdel/) and [Twitter](https://twitter.com/softdelsystems?lang=en).

**JOB Description:**

**Roles and Responsibilities:**

* 6 to 10 years of experience with embedded system design and development.
* Strong development experience using C/C++ languages.
* Strong working experience in one or more wireless protocols: ZigBee, Zwave, Wi-Fi and BLE (Bluetooth Low Energy)
* **Knowledge of communication stacks and application profiles for ZigBee (ZCL-ZigBee Cluster Library, ZHA-ZigBee Home Automation, ZSE-ZigBee Smart Energy), BLE (GATT, GAP), and Z-Wave.**
* Hands-on experience in using tools like JTAG, Logic Analyzers, and Oscilloscopes.
* Design, develop, and optimize embedded firmware for devices using ZigBee, Zwave, Wi-Fi and BLE protocols.
* Integrate wireless communication stacks into firmware and ensure smooth interoperability across platforms.
* Debug, troubleshoot, and resolve wireless connectivity and performance issues.
* Collaborate with hardware, software, and QA teams to ensure seamless product functionality and compliance with protocol standards.
* Conduct performance analysis and tuning wireless protocols to optimize communication and power consumption.
* Perform protocol stack customizations based on project requirements.
* Create technical documentation, including design specifications, test plans, and reports.
* Continuously learn and improve skills to pursue new technical areas.
* Attention to detail is essential and all tasks must be carried out to the highest quality.

**Technical / Essential Skills:**

* Experience with Embedded system design and development with “C” language.
* Experience in Bare-metal and RTOS (ST free-RTOS, ThreadX, etc.).
* Well versed with communication protocols such as UART, SPI, I2C.
* Hands on experience in using debuggers, simulators, and oscilloscope.
* Able to read hardware schematics.
* Proficient understanding of code versioning tools like Git and SVN.
* Self-motivated, innovative, willing to pursue new technical areas and capable of working independently.
* Experienced in implementing secure development methodologies, ensuring robust protection of sensitive data and systems integrity.
* Excellent interpersonal and communication skills in written and oral English.
* Self-motivated, innovative, proactive, willing to pursue new technical areas and capable of working independently.
* Strong analytical, problem-solving skills and time management skills.
* Passion for technology, innovation, and continuous learning.