

## **Technical Lead – C, Embedded, Stacks**

**Location:** Pune

**Experience:** - 10+ years

**Required Qualification:** B.E/B. Tech - Electronics/E&TC/ or equivalent

### **Roles and Responsibilities:**

- Work with the customer and project manager for project plan, defining user stories, tasks, release plan, tracking and providing effort estimations.
- Coordinate amongst various stakeholders of the project.
- Provide technical guidance to the team during design, development, and testing.
- Effectively delegate tasks to the team members and mentoring team.
- Identify the appropriate software architecture based on the requirements and design elements contained in a system specification.
- Apply new technologies and product innovations to optimize customer experience.
- Communicate with customer for requirement understanding and technical discussions.
- Contributing to all aspects of software development, architecture, design,
- Implementing the best practices and coding standards of the project.
- Comply with all applicable development processes.
- Should be able to work independently as well as with team.
- Contribute to programming, and developer testing.

### **Essential Skills**

- Experience with Embedded system design and development with C language.
- Well versed with 8/16/32 bit microcontrollers and its peripherals.
- Well versed with communication protocols such as UART, SPI, I2C and Modbus.
- Experience in device driver development and hardware board bring up.
- 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.

### **Desired Skills:**

- Experience with scripting language. VBA, Python or Bash preferred.
- Knowledge of C++ and OOPS concepts.
- Knowledge of systems/ products with Wi-Fi, Ethernet interfaces
- Knowledge of IoT protocols like MQTT, COAP, REST etc.
- Knowledge of BACnet IP + MSTP, Socket programming (TCP/IP). (Essential for BACnet position)
- Knowledge of HART (Essential for Stack engineer role)