

Job Title: Senior Embedded Developer - IOT

Organization: Living Things Pvt. Ltd

Location: IIT Bombay, Powai, Mumbai

Job Type: Full-Time

Experience Level: Mid-Level (5+ years experience)

About Us:

Living Things is a pioneering IoT platform by iCapotech Pvt Ltd, dedicated to accelerating the net zero journey towards a sustainable future. We bring mindfulness in energy usage by our platform. Our solution seamlessly integrates with existing air conditioners, empowering businesses & organisations to optimise & reduce energy usage, enhance operational efficiency, reduce carbon footprints, and drive sustainable practices. Analysis of Electricity consumption across all locations from Electricity Bills. By harnessing the power of real-time data analytics and intelligent insights, our energy saving algorithm helps in saving a minimum of 15% on Air Conditioner's energy consumption.

About the Role:

We are seeking a highly skilled and passionate IOT Developer to join our team who will play a pivotal role in developing and deploying cutting-edge solutions.

Job Responsibilities:

- 1. Develop IoT Solutions:** Design, develop, and optimize embedded software for IoT devices, ensuring high performance and reliability.
- 2. Hardware Integration:** Collaborate with hardware teams to interface sensors, actuators, and communication modules with embedded systems.
- 3. Protocol Implementation:** Implement and optimize communication protocols such as MQTT, Modbus, CoAP, or BLE for efficient device connectivity.
- 4. Real-Time Systems:** Develop and debug real-time embedded applications, ensuring stability and performance under stringent constraints.
- 5. System Optimization:** Optimize resource usage (memory, CPU, power) for IoT devices to ensure efficiency and sustainability.
- 6. Testing and Debugging:** Conduct rigorous testing and debugging of embedded systems to meet quality and performance standards.



7. **Security:** Implement security measures to safeguard device communication and data integrity.
8. **Documentation and Standards:** Prepare detailed technical documentation and adhere to industry standards and best practices

Skills and Qualifications:

1. Essential:

- a. Bachelor's or Master's degree in Electronics, Electrical Engineering, Computer Science, or a related field.
- b. Knowledge of low-power design techniques for battery-operated devices.
- c. Experience with wireless communication technologies like Wi-Fi, Zigbee, LoRa, or NB-IoT.
- d. Familiarity with security frameworks for IoT (e.g., TLS/SSL, device authentication).
- e. Exposure to cloud platforms like AWS IoT or Azure IoT Hub.

2. Preferred:

- a. Knowledge of low-power design techniques for battery-operated devices.
- b. Experience with wireless communication technologies like Wi-Fi, Zigbee, LoRa, or NB-IoT.
- c. Familiarity with security frameworks for IoT (e.g., TLS/SSL, device authentication).
- d. Excellent communication and presentation skills.

Why Living Things is the Right Place for You

- **Impact-Driven Work:** Your efforts will directly support sustainability and environmental conservation.
- **Innovative Challenges:** Work on advanced IoT applications that address real-world problems.
- **Collaborative Environment:** Join a team that values creativity, collaboration, and professional growth.
- **Career Development:** Gain experience in cutting-edge technologies while making a difference in the clean-tech space.

If you are passionate about embedded systems and IoT applications that drive



LIVING THINGS

Accelerating The Net Zero Journey

By iCapotech Pvt Ltd

sustainability, Living Things is the place for you. Let's create innovative solutions and make a lasting impact together!