

Embedded Systems Team Lead

Insyab Wireless Limited

www.insyab.com

Location : KAUST Research Park, Thuwal – KSA
Start date : July 2018

Insyab is a young company active in the space of distributed computing and robotic intelligence. The company is headquartered in Dubai – UAE and has presence in the KAUST Research Park – KSA. Insyab develops robust connectivity solutions empowering teams of drones and robots to effectively collaborate. We are currently seeking an Embedded Systems Manager to join our growing team.

The location of this job is at our offices in the KAUST Research Park (innovation.kaust.edu.sa/industry/park/); a “work-live-play” environment featuring a multi-national community with more than 100 nationalities.

Key Responsibilities

As an Embedded System Team Lead, your role will be to lead your team to design, architect and deliver low-level software for our embedded systems. You will also engage with development partners and drive requirements, specification, and execution of development projects. Other key responsibilities include:

- Help identify and recruit talent to join the embedded software team.
- Provide hands on technical leadership and mentorship to the team, including your own code contributions.
- Define detailed technical specifications from high-level product descriptions and enable your team to do the same.
- Manage the execution of continuous test and debug programs including regression testing.
- Maintain the underlying embedded systems hardware and ensure correct exercising of hardware usage.
- Work with product management team to provide technical solutions for desired user requirements.
- Work closely with application engineering team to execute demonstration, pilots, and field testing campaigns.
- Be able to occasionally travel internationally

Key Qualifications

- Bachelor’s /Master’s degree in engineering, computer science, or any other relevant discipline.
- At least 5 years of hands-on software development experience, as a developer or manager
- At least 2 years of experience mentoring junior engineers to success.

- Experience with bare metal, RTOS, Thread X, and uLinux operating systems.
- Strong experience in MCU-based product development projects.
- Strong knowledge of ARM-based and low-power SoC platforms.
- Excellent proficiency in C (Python and C++ are also preferable).
- Experience developing device and peripherals drivers.
- Proficiency with standard hardware protocols (USB, UART, SPI, I2C, DMA).
- Prior experience working with hardware development teams is highly preferred.

Personal Skills

- Excellent communication and interpersonal skills.
- A passion for people mentorship.
- Excellent written and verbal communication skills with the ability to present complex technical information in a clear and concise manner to a variety of audiences.
- Ability to handle multiple, competing priorities in a fast-paced environment.
- Self-motivated and able to work with minimal supervision.
- Consistently takes the initiative to get things done, do things before being asked by others or forced to by events.
- Ability to consistently make timely decisions even in the face of complexity, balancing systematic analysis with decisiveness.
- Can quickly analyze, incorporate and apply new information and concepts

For potential candidates, please send your CV to info@insyab.com.