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EMBEDDED SOFTWARE ENGINEER – UPDAL SOLUTIONS

Based in Upplands Väsby, Stockholm

THE COMPANY

Updal Solutions AB specialize in design, operations & integration solutions for IoT product within the Industrial, security and housing association markets. Demand is driven by requirement for connected devices, and our expertise is around connected products and solutions around those. Updal has its own brand, S-2Connect, but are also supporting our customers customization needs of IoT solutions.

JOB DESCRIPTION

Our development team is currently in a growth phase. We are therefore on the lookout for the market's sharpest competencies that wants to join us on this journey. We are looking for an Embedded Software Engineer with at least 3 years of experience to the team in Upplands Väsby.

As an embedded software Engineer at Updal Solutions, you will play an important role in the work to develop, design and integrate technologies to market requests. You will operate in small, medium or large customer projects with a global footprint. You will design and develop the firmware and software for embedded systems, to support our hardware designs. You will be involved in the design, build and maintain our software platform. Some knowledge about hardware design is a plus.

The ideal candidate will have strong software design knowledge of consumer, industrial or electronic products, and have good knowledge of supporting products fundamentals. The candidate has likely worked for a few years and/or connectivity field. Together with customers, we develop products of the future and push boundaries of what's possible.

MAIN DUTIES AND KEY RESPONSIBILITIES

- Embedded SW design and development, including implementation, test, integration/release and bug fixing.
- Design, review and approve SW through coordination with internal team, customers and suppliers.
- Continuous integration and continuous development (unit testing etc).
- Provide local technical interface between globally based development teams and manufacturing teams.
- API design towards customer application

DESIRED SKILL AND EXPERIENCE

- Bachelor or Master's degree in Embedded Systems, Computer Engineering or similar
- At least 3 years of experience in embedded systems
- Experience in programming of microcontrollers (MPUs, MCUs) and wireless modems
- ARM processor knowledge
- Proficient in OS: Zephyr RTOS, FreeRTOS
- Proficient in Languages: C, C++ and Python
- Proficient in Git revision control
- HAL drivers' development
- Hardware hands on and familiar laboratory equipment (oscilloscope, power supply etc).
- IoT protocols such as MQTT and CoAP

PERSONAL ATTRIBUTES

- Pro-active, Quick learner, Team player, Ability to work with and influence operational colleagues, most of whom are at a more senior level in the company, Persistence and drive to get the job done, Ability to work independently and under pressure and to manage conflicting priorities