

Sr. Embedded Engineer (Wireless - IOT domain)

TVILIGHT B.V. is a product development company pioneering in Smart City Solutions using internet of things to connect devices intelligently thus enabling a smart city infrastructure.

We are looking for Sr. Embedded engineer position with **hands-on 80% coding** experience and 20% activities will require you to participate in code-reviews, problem-solving and processes. Your role will involve designing and developing wireless product portfolio (devices and gateway) for intelligent lighting and smart sensor applications.

This position is for TVILIGHT-India location (Ahmedabad).

Key Requirements

- Spent at least 4 years in bare-metal ARM cortex Microcontroller programming for 32-bit core on say **TI TIVA or STM32 or EFM32** microcontrollers. In-depth technical knowledge in working with 32-bit ARM cortex M3/M4 controllers.
- Should be hands-on with coding in **Embedded-C** and with one more programming language like **python** or **Embedded C++**.
- Should have knowledge working with wireless stack (like **Zigbee or Thread or BLE-Mesh**) apart from working with **IoT Wireless** applications.
- In-depth knowledge in defining Embedded software Architecture, gathering user requirements and converting into Software design HLD and LLD, comfortable working with UML use-case diagram, class-diagram and Sequence diagram to depict System architecture.
- Expert knowledge and hands-on with writing business logic on **embedded environment** in **C, C++, Python** using test-driven methodology on **RTOS** and non-RTOS platforms.
- Proficient in communication protocols: **I2C, SPI, 1-wire, UART, MODBUS, DALI**.
- Work experience with embedded systems: reading schematics, debugging Hardware **with good electronics knowledge**
- Exhibit problem-solving and analytical thinking abilities. Should be system-level thinker.
- Able to learn and apply new state-of-the-art tools and techniques and thereby showing experience in quick prototyping methods followed by structured implementation.

Familiar with

- Reading schematics, datasheets, technical reference manual and Silicon revision sheets
- Using tools like Logic Analyzer, DSO/CRO, Spectrum Analyzer.
- SW development tools: Confluence, JIRA, GIT, bit-bucket, SourceTree etc.

Professional Qualities

- No 9-to-5 thinking; should be goal driven with solution oriented mindset and should meet deadlines with customer first attitude
- Entrepreneurial spirit and a team-player showing capability and flexibility to work in a multi-cultural team environment.

- Open to travel to Netherlands or other locations of TVILIGHT or its customers when required for a period of 60-90 days.

Suitable Qualification:

- Masters or Bachelors in Electronics/Embedded-ICT Software from reputed Engineering Colleges/IITs/BITS-Pilani.

Suitable Experience range: 10 - 14Yrs

Why Join us?

TVILIGHT is a European market leader in professional end-to-end lighting control solutions, with an installed base of over 250 projects in over 20 different countries. We specialize in delivering software, wireless devices and sensors to manage and control citywide lighting infrastructure. Tvilight's open software platform allows integrating a multitude of third-party applications and constituting a reliable, future-proof base for Smart Cities and IoT.

We offer a rewarding career opportunity working with our dynamic and experienced team in India and Netherlands, which thrives on customer satisfaction and value creation. We offer competitive salaries, benefits, and a casual and fun environment that encourages quality, creativity & excellence. You will be working with our dynamic and experienced team which thrives on customer satisfaction and value creation.

Work location : Ahmedabad, India
Apply to r.sivakumar@tvilight.com