



Embedded Development Engineer

About Serstech

Serstech develops handheld Raman spectrometers, which are used by law enforcement and first responders to identify narcotics and other hazardous chemicals. The instruments are slightly larger than a mobile phone and contains highly sophisticated optics and software. Serstech is the only manufacturer of handheld Raman instruments in the European Union and customers include United Nations and World Customs Organization. Production of Serstech's products is done in Sweden by a third-party manufacturer.

Currently, the R&D-team consists of 12 people, but that is expected to grow fast and surpass 20 people by the end of 2023, and then continue to grow.

The company and the team are both characterized by large flexibility, high skill-levels and clear customer focus. Our company values are excellence, joy, trust and openness. These values are important success factors and are nurtured, lived and encouraged daily.

About the role

Serstech's instruments are running Linux on an ARM-based system. Large parts of the applications are written in Python and C++ and the GUI is using QT. The big cost drivers of the instruments are mainly within the optical parts, which means that there are less constraints for the software parts than for many other systems – there is plenty of memory, storage and other resources to use and more can be added.

As for any handheld, embedded system, we need to optimize power usage and an important user requirement is the analysis and start-up speed of the instruments. The time-to-result is important since the instruments are often used during stressful conditions, e.g. during a narcotics seizure or at a hazardous materials event.

The development team at Serstech will be growing fast over the coming years, which means that there are plenty of opportunities to grow within the role and within the team. Serstech is looking for several roles in data security, communication (Bluetooth, Wi-Fi and USB), power management and driver/Linux component development.

Requirements

The successful candidate must have

- at least five years of experience in embedded product development
- a master's degree or corresponding knowledge level
- deep knowledge within at least one of the following areas: data security, power management, embedded Linux or communication
- a deep understanding of, and a profound interest in technology
- a hands-on, collaborative, unpretentious and open mindset
- fluency in English, both spoken and written

The successful candidate should have

- experience from Python development and/or C++

- experience from start-ups, scale-ups and/or own business ventures
- at least some understanding of the Swedish language

What can Serstech do for you?

The recruitment is handled by Radeptus and Jenny Månsson. Please apply with your CV and personal letter to jenny@adeptus.se before February 20th 2023. We will make selections and interviews on an ongoing basis, so do not wait to apply! If you have any questions feel free to contact Jenny Månsson by email jenny@adeptus.se or phone +46 703 318506