

Senior Design Engineer (Linux Architect)

With a heritage in electronic security, Texecom's products and services protect millions of people and properties around the world. Texecom is leading the way with digital and cloud-based solutions, adding value and providing interoperability with wider security and building management systems; offering increasingly connected, intelligent and dynamic solutions to meet the world's future security challenges. Texecom's award-winning, design focused products cover every aspect of external and internal security requirements, from sensors, control systems and sounders to connectivity and cloud services. Texecom is a Halma company.

The position of Senior Design Engineer would join the R&D department to accelerate Texecom's exciting product roadmap of Cloud connected systems and digital services which form the core of our development projects.

Texecom's SmartCom is a IoT device which interfaces with local devices on site via serial and IP connections, and manages communications to the Cloud platform via MQTT and HTTPs over IP and Cellular paths. The ideal candidate will lead the next stage in the development of this device, ensuring we are utilising the advantages of the Linux operating system and building a scalable and future-proof platform which integrates seamlessly with our Cloud service.

The role covers:

- Architecting and implementing future proof, scalable Linux platform to support new and existing functionality.
- Leading the firmware team to ensure quality implementation and adherence to the technical roadmap.
- Collaborating with the Cloud development team to deliver seamless integration.
- Advising on concept designs and converting into technical requirements.
- Interfacing between product management/marketing and the development team.
- Reporting back to management about the status of projects.

The successful candidate must have:

- Intimate knowledge of the Linux operating system, its modules, and best development practices.
- Extensive experience of the available open-source libraries and the methods for integration.
- Knowledge of Linux service managers such as systemd and init.d, and interprocess communications technologies such as dbus.
- Proficiency in C with the opportunity to expand to C++, or Rust in the future.
- Experience with databases, both SQL and object storage (JSON).
- The ability to technically lead, inspire, and pass on knowledge to a team.

It would be an advantage if the candidate had:

- Experience with embedded development, particularly the Yocto BSP package.
- An understanding of communication with Cloud platforms using MQTT, HTTPS and websockets.
- Knowledge of video streaming technologies and methods.
- Experience of developing solutions to work seamlessly with commercial IT infrastructure.
- An eye for user experience.

This position would initially be responsible for leading the firmware development of our next generation alarm control panels along with a team of 7 firmware developers India and hardware designers in the UK. There would also be a lot of collaborative work with our Cloud development team which is also split between the UK and India.

The salary is negotiable from £50k to £70k dependent on experience. There is a good pension and a Halma share incentive scheme where the company pays a percentage of salary in Halma shares, dependent on performance.

Holiday allowance is 25 days plus bank holidays, increasing to 26 days after 5 years employment.

This position would often be dealing with people off-site, so the candidate would be responsible for managing their own time in the office, but a regular presence will be required for meetings and other appointments.