

VACANCY – Embedded Software Engineer (Full time)

(posted: 20th March 2025)



Timespace Technology, the leading UK manufacturer of Digital Video Recorders for mobile and covert security, is recruiting for the position of **Embedded Software Engineer**. Our development office and production facility are based in Huntingdon and we are expanding. We need skilled and dedicated staff to support the creation of high technology electronics systems.

Reporting to the Embedded Software Manager, the appointed candidate will work in a small team of embedded software engineers.

The role includes:

- Writing software for new features and new products.
- Improving legacy software (including bug fixes).
- Testing existing products.
- Documenting code and their test requirements.

The successful candidate will most likely be degree-qualified with an electronic engineering background and 3-8 years of relevant experience.

Essential attributes include:

- Extremely competent 'C' programming skills.
- Familiarity with software version control systems.
- An understanding of the different types of software testing.
- The confidence to liaise with other internal staff, e.g. Customer Support Engineers.
- The ability to work independently, or as part of a team.
- A high standard of written and verbal English communication skills.

Experience in some of the following would be highly desirable:

- Knowledge of video compression standards including H.264 and MJPEG.
- Experience of writing and debugging software using Eclipse in a Linux environment.
- An understanding of communication protocols from low-level SPI and I²C through to common network protocols.
- The ability to debug at a low level and be confident using equipment such as oscilloscopes and logic analysers.
- The ability to read and understand schematics and data sheets as they relate to embedded firmware development.
- Good working knowledge of Microsoft Office (or compatible) applications.

Outstanding candidates may additionally have:

- Experience with 'gstreamer' and the creation of 'plug-ins' for use in video compression/decompression applications.
- Ability to configure IP cameras and understand their configuration settings.
- Knowledge of "Open Network Video Interface Forum" (ONVIF) standards and conformance requirements.
- Experience of configuring and building Linux kernels.
- Experience of modifying and writing Linux kernel modules.

Candidates should already have the right to live and work indefinitely in the UK.

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The company provides a pleasant working environment, and a good salary is paid commensurate with qualifications, experience and ability.

For an initial induction period of 6 months, the successful applicant will need to work full-time from our Huntingdon office. After this period, there may be the opportunity for hybrid working.

Benefits include:

- Flexible working hours (core times apply)
- Company pension scheme
- Free parking
- Discretionary company bonus
- Employee Assistance Programme

Please send a full CV by email to recruitment@tspace.co.uk.

Candidates will be short-listed for an initial online/telephone discussion and may then be invited for interview in-person. References may be requested prior to any job offers being made. This advert has no closing date and we will close it when we have received sufficient high-quality applications. We therefore recommend applying early.

Timespace Technology Ltd, Lakeview Court, Ermine Business Park, Huntingdon, PE29 6UA.

www.tspace.co.uk