

Embedded Linux Engineer - Romania

About Paradox

Founded in 1989, we are a privately-owned, multinational manufacturer delivering advanced security solutions to residential, industrial and government customers world-wide, via our ecosystem of exclusive distributors. Our award-winning research and development teams, in Canada and Israel, develop a full range of innovative security panels, motion detectors, interactive touch screens and security accessories which leverage ground breaking technologies. Paradox is proud of our state-of-the-art, ISO 9001:2008 certified, Canadian manufacturing facility which produces top-notch, dependable products.

At Paradox, the workplace is one of innovation, pride and excellence. We are always looking for top-notch, talented people to join our team and take advantage of the many career opportunities available in our dynamic company.

The candidate will be part of the Firmware team that designs, develops and implements software in real time embedded environments for both current and future security products.

This position includes the following tasks:

- Responsible for embedded software/firmware for Linux Kernel on ARM processors;
- Bring up developed hardware under embedded Linux;
- Develop Linux board support packages and Kernel device drivers;
- Develop and create hardware test procedures and associated test documentation;
- Work with hardware video encoders;
- Admit status reports regarding the work plan.

Requirements:

- Bachelor's degree in Computer Science or Electrical Engineering;
- 3-5 years' experience in software development;
- Knowledge of Kernel drivers for embedded Linux operating systems;
- Knowledge of Kernel configuration, debug and tracing;
- Knowledge of pre-emptive multitasking environments and CPU configurations, bootloaders, debuggers, and memory management in an embedded space;
- Knowledge of ARM processor architectures;
- Knowledge of the major chips communications interface (USB, I2C, SPI);
- Familiarity with audio/video processing on Unix/Linux (I2S, LVDS, MIPI);
- Team player attitude;
- Time management skills.

Please send your CV to email address – paradoxROhiring@paradox.com