

## Embedded Linux Developer - Job opening

**Ref19022021**

Paradox Security Systems is a high-tech leading company in the world security for over 30 years with global sales to over 65 countries.

Working at Paradox means joining a dynamic, motivated, and competent team that takes the creation of an excellent product to heart. It also means being part of a team that creates innovative and stable systems and develop challenging projects with evolving technologies. We are looking for a passionate professionals' who will have the opportunity to realize the concepts through their expertise and see the projects materialize. You will have the opportunity to see our products come to life in our manufacturing facilities.

### **Responsibilities:**

- Responsible for programming C / C++ software for Linux under ARM and MIPS processor.
- Perform full software development lifecycle (develop, test, document, debug and maintain).
- Collaborate in software defect reduction (review, debug, analysis, write unit tests, etc.).
- Work with MQTT or CoAP protocols.
- Work network and file encryption using TLS, AES and ChaCha20.
- Work with hardware and software video encoders/decoders.
- Support the hardware development team during prototype testing and entry into production.

### **Qualifications:**

- Proficient in C / C++ and Makefiles
- Knowledge of the Linux operating system
- Strong knowledge of Unix scripting languages (Shell, Bash).
- Proficient use of Git with merge/pull request workflows.
- Strong understanding of OOP.
- Relevant experience in software development under Linux.
- Experience with OpenSSL encryption library.
- Comfortable working with UDP and TCP/IP stack.
- Experience with Unix system APIs, multi-threading and IPC.
- Experience with issue tracking systems and wiki documentation.
- 3-5 years' experience in software development.
- Bachelor's degree in Computer Science or Electrical Engineering or equivalent experience.

### **Assets :**

- Development targeting Linux on ARM or MIPS processors.
- Experience with IoT protocols such as MQTT, CoAP or AMQP.
- Knowledge with interfaces such as RS232, SPI, I2C, GPIO, PWM.
- Skills with U-Boot or Boot-loader development.
- Interest in software for video and audio processing.



- Knowledge of compression codecs such as H264, MP3, AAC, Opus.
- Experience with Buildroot, Yocto/OpenEmbedded or OpenWRT/LEDE.

***Soft Skills:***

- Show autonomy and leadership.
- Be analytical and solution oriented.
- Have a team spirit.
- Take initiatives.

Paradox Security Systems offers a competitive salary and excellent conditions helping employees to achieve a work-life balance and offers great benefits including Group Insurances, RRSP contribution, Progressive Retirement Program, Referral premium, Financial aid for training and development course and reimbursement of professional association membership and Recognition years of service gift.

**Send us your CV by : (mention job opening number)**

**Email:** [RDopportunities@paradox.com](mailto:RDopportunities@paradox.com)

**Call** Ali Kobeissi at 450-491-7444 ext.: 377 if you have questions regarding above job opening.

