

# **escapecommunications**

## **Title: Embedded Software Engineer**

### **Company Description**

*Great people working together in a relaxed, positive environment, solving challenging engineering problems, developing world-class products*

Escape Communications designs, produces and sells complex wireless communications products and systems into the telecommunications and SATCOM equipment industries, in both commercial and military markets. We are located in the South Bay area, a few short miles from Los Angeles County beaches. Escape is a small company, where employees get the opportunity to wear many hats and learn many disciplines. We are growing, and we are looking for exceptional, motivated individuals to grow with us. We are currently looking for engineers with expertise in embedded software development.

### **Job Description**

Escape Communications develops state-of-the-art signal processing platforms for terrestrial microwave, millimeterwave and SATCOM wireless radio links. These systems are characterized by extremely high throughput capacities ranging up to tens of gigabits per second, as well as complex waveforms incorporating advanced anti-jam, low probability of detection and interception features. Embedded software provides critically important functions in these platforms, including configuration and control of hardware devices, as well as element management via web-based graphical user interfaces, SNMP, and telnet/SSH.

Escape is seeking talented and motivated individuals to be key contributors in software development and implementation on our radio platform products. Responsibilities include:

- Device driver development using common standard communication protocols such as I<sup>2</sup>C, SPI, SMI and USB, as well as custom memory mapped devices
- Development of management interface features and functions, including support for command line, web GUI, telnet/SSH and SNMP interfaces
- Maintenance of software libraries

### **Qualifications**

The position requires experience in C/C++ programming, as well as web development experience using HTML, CGI, JavaScript/jQuery, AJAX, and Node.js. Some expertise in Linux and working knowledge of real time system architecture is highly desired. Experience with the following is also welcome:

- Familiarity using cross-platform development tool chains for embedded systems such as Yocto
- Multi-threaded programming
- Developing software for networking protocols including TCP/IP and Ethernet protocols
- Working knowledge of Board Support Packages and boot loaders such as u-boot

A bachelor's degree in CE, EE or CS is required; applicants with graduate degrees are also welcome. Preference will be given to applicants with prior relevant experience.

Successful applicant must be able to provide proof of authorization to work full-time in the US without visa sponsorship.

Escape Communications offers a relaxed work environment and a generous benefits package, including health benefits, long-term disability insurance, flexible vacation time, a 401K retirement plan, flexible work schedule (9/80), and a stock options plan for qualified applicants.

Escape Communications is an equal opportunity employer.