escape**communications**

Title: Embedded Linux Software Engineer

Company Description

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

Founded in 1998, 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 play a critical role in the development and delivery of world-class products to companies across the globe. We are growing, and we are looking for exceptional, motivated individuals to grow with us.

For more details, visit www.escapecom.com.

Escape is hiring! http://www.escapecom.com/open-positions/

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:

- Software architecture definition
- Device driver development using common standard communication protocols such as I^2C, SPI, PCIe, 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
- Experience with regression and functional testing is highly desired

Qualifications

The position requires experience in C/C++ programming, as well as expertise in Linux and working knowledge of real time system architecture. Development experience in embedded ARM processors is highly desired. Experience with the following is also welcome:

- Familiarity using cross-platform development tool chains for embedded systems such as Yocto
- Experience with Xilinx Vivado and Petalinux tools targeting Xilinx Zynq UltraScale+ MPSoC and/or Arm Cortex A-53 processor highly preferred
- 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
- Web development experience using HTML, CGI, JavaScript/jQuery, AJAX, and Node.js.
- Experience in version and configuration control management (e.g., Subversion)

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A bachelor's degree in CE, EE or CS is required; graduate degrees are also highly preferred.

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

Benefits

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. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

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