

Navacchio, 09/10/2018

C/C++ Software Developer for Radar Embedded Systems

Reference: SW-001-10-2018

Contact: jobs@echoes-tech.it

Location: Echoes s.r.l. Via Mario Giuntini, 63 - 56023 Navacchio, Pisa (Italy)

Job details:

Design and development of C/C++ code for Linux embedded systems:

- Write control firmware for embedded systems
- Develop drivers and interfaces for sub-systems (e.g. UART, SPI, I²C)
- Develop communication framework between the embedded system and a remote graphical user interface (e.g. TCP/UDP sockets)

Required skills and qualification:

- Master's Degree in computer science / computer engineering
- Strong knowledge of Linux operating systems
- Strong knowledge of C/C++ programming languages (multi-thread, multi-process)
- Knowledge of multicore ARM architecture (e.g. Cortex-A9, Cortex-A53)
- Good knowledge of the English language

Desired skills:

- Knowledge of Xilinx System on a Chip (e.g. Zynq 7000, Zynq Ultrascale+)
- Good knowledge of Eclipse development environment (e.g. Xilinx SDx)
- Knowledge of embedded Linux versions (e.g. Petalinux)
- Knowledge of SW versioning tools and methods (e.g. SVN)
- Knowledge of mathematical C/C++ libraries (e.g. FFTW, OpenBlas, OpenCV)

Duration: The employment has a standard duration of one year with possibility of extension. The starting date will be agreed with the candidate, early starting date is preferred.

ECHOES s.r.l. is an Italian start-up mainly involved in the design, development and commercialization of low emission, small size and low energy consumption radar systems. ECHOES segmented its market in four main areas: terrain & infrastructure monitoring, maritime traffic control, space applications, airborne systems. ECHOES provides services, as well as products, of: FPGA IP core & DSP design, RF design.