

About Us:

Bustec, headquartered in Shannon, Republic of Ireland, specializes in the design and production of advanced test and measurement instruments. Our cutting-edge solutions cater to a diverse range of applications including engine testing, automotive systems, wind tunnel, data acquisition and control, acoustics, vibration analysis, and aircraft component testing. Our end-customers spans across various industries, including leading aircraft manufacturers, space agencies, military organizations, as well as the power and medical sectors.

We are currently seeking an experienced and motivated Software Engineer to join our team.

(Embedded) C/C++ Software Engineer (20EUR+/h)

Position: Full-stack Software Engineer
Location: Wrocław, Poland
Company: Bustec Production Ltd.
Employment: Full-time

Responsibilities

- Design and implement software in C and C++ for both Linux and Windows:
 - network servers & clients,
 - embedded software and drivers,
 - hardware validation software,
 - Qt-based GUI applications.
- Working with both legacy and newly designed instruments based on VXI and LXI standards.
- Debug, maintain and optimize software.
- Document software design, code, and processes for future reference and compliance.
- Implement validation and testing solutions both hardware and software designs.
- Working with hardware engineers on hardware design validation.

Requirements

- A Master's degree in Computer Science, Electronic Engineering, or a related field.
- Proficiency in C/C++ and debugging tools.
- Experience in developing multi-threaded applications.
- Proven experience in embedded software development using C and C++.
- Knowledge of software version control systems (e.g., GIT, SVN).
- Ability to collaborate effectively within a team and work independently on projects.
- Analytical thinking, problem-solving skills and attention to detail.
- Good written and spoken English.

Additional knowledge/skills, education or experience

- Knowledge of Python and Bash.
- Experience with Yocto Project and/or similar build systems for embedded distributions.
- Experience with cross-compilation and toolchains for embedded Linux systems.
- Familiarity with network protocols, including TCP/IP and UDP.
- Experience with Qt and Qwt.
- Experience in low-level programming and hardware interfacing.
- Experience with RS232, JTAG, I2C, SPI, DMA, PCI, GPIO.
- Understanding of digital signal processing fundamentals.
- Basic knowledge about databases, particularly MySQL.
- Basic knowledge of PHP, JavaScript, and/or web frameworks.

What we offer

- Stationary/hybrid work in WROCŁAW, Poland.
- Business-to-Business (B2B) contract arrangements.
- Competitive salary and performance-based bonuses paid in PLN or EUR.
- A collaborative and innovative work environment.
- Trainings and workshops.
- Flexible working hours and remote work options.