Embedded Software Engineer

🌐 Employees can work remotely

Full-time

Company Description

Incorporated in 1997 and based in Troy-Michigan, Excyl is a full service recruiting firm specializing in the placement of Technology (IT), Engineering, Clerical and Light Industrial professionals

Job Description

This is a cross-functional engineering position, developing software for our satellite products on Linux platforms. The language for most of the software development for this position is C++.

Note: Must Be US Citizen

Responsibilities

- **Design, develop, test and integrate software written in C++ from requirements to production and commercial deployment**
- 5+ years of experience in software development
- **Embedded development experience is a plus"**
- Proven working experience in software engineering
- Programming experience with **C/C++** and object-oriented design
- Experience developing and debugging software in a Linux environment
- Familiarity with software configuration management, defect tracking tools, and peer review
- **Object and Component Oriented Designs**
- Transmission security and cryptographic techniques
- Strong documentation and writing skills
- Working knowledge of GCC, grep/awk/sed command line tools, bash scripting, GDB debugger, systemd suite

Qualifications

Desired Qualifications

- Embedded development including hardware debug, device drivers, and real-time constraints in a complex multi-processor system
- Familiarity with developing multi-threaded software applications
- Knowledge of communications and/or networking protocols, TCP/IP, UDP, IPv6, etc.

- Experience with cross-functional (hardware/firmware/software) development and verification
- Experience in shell scripting using Perl, Lua, or Python
- Experience with Red Hat Enterprise Linux 8
- Familiarity with Docker, GraphQL, Kubernetes, Conan, CMake, C++11
- Working knowledge of Jira, Confluence, Git, BitBucket, SharePoint, Jenkins and Artifactory is a plus
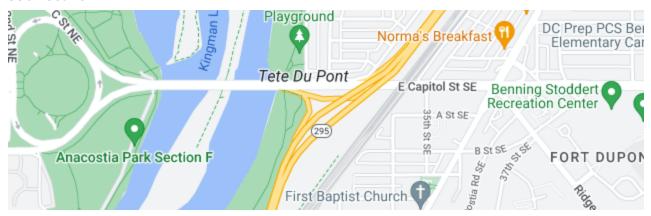
Additional Information

Education

- Bachelor's Degree in Computer Science, Software, Systems, Mathematics, or other technical field.

Clearance

- Active DoD Clearance preferred, or ability to obtain

Job Location

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