Middle/Senior Software Developer (C++/Qt)

Summary of Position Functions

Develop, maintain, and improve application software for a Vector Network Analyzer (VNA). This involves creating software solutions that enhance the functionality and performance of VNA devices, which are used to measure network parameters in electrical engineering and telecommunications. The role includes designing new features, fixing bugs, and ensuring the software is user-friendly and efficient. It also requires staying updated with the latest industry trends and integrating new technologies to keep the software competitive and cutting-edge. CMT was awarded innovation and product leadership awards by Frost & Sullivan in 2015, 2017 and 2020.

The Software Developer will work closely with Design and Development, Applications Engineering, and Operations to ensure delivery of quality solutions to customers. Take this opportunity to join a great company. This position is located in Paphos, Cyprus.

Primary Responsibilities
- Develop, maintain, and improve application software for a Vector Network Analyzer (VNA).
- Optimize software performance to minimize data processing delays.
- Collaborate with the team to implement best practices in software design and architecture refactoring.
- Analyze and enhance existing architecture to improve quality and efficiency.
- Write unit tests.
- Organize changes through atomic commits and prepare pull requests to facilitate the code review process and enhance team collaboration. Ensure code readability, focusing on simplicity and clarity for colleagues.

Technical Requirements

- In-depth knowledge and experience in C++ programming, including the latest language standards (C++20).
- Experience in developing multi-threaded applications and understanding the principles of parallel programming.
- Experience working with Unix-like operating systems.
- Proficiency in using Git.
- Ability to develop, analyze, and improve software architecture aimed at clear and effective problem-solving. Expected experience in creating projects from scratch, with an emphasis on simplicity and practicality in architectural solutions.

Preferred Qualifications

- Experience with Qt and QML.
- Deep understanding of at least one operating system (macOS, Windows, Linux).
- Skills in low-level programming in the context of hardware interaction, including working with the USB protocol.
- Basic knowledge in mathematics and algorithms, with the ability to adapt and understand them.
- Experience in areas where performance and minimizing delays are critical.
- Experience writing unit tests.

Our Technology Stack

- Development using the C++ 20 standard.
- Creating graphical interfaces with Qt6/QML.
- Developing cross-platform software for Linux/Windows/macOS.
- Using Boost libraries version 1.78 and above (especially boost.asio).
- Build system: CMake.
- Version control system: Git (Github).
- Jira/Confluence.
- We are always open to new ideas and constructive suggestions to expand our technology arsenal.

Desired:

- Having a portfolio
- Experience, knowledge in the field of radio electronics
- Experience with Scrum methodology
- Knowledge of the Russian language
- Proficiency in English language
- Valid Driver's License