EMBEDDED APPLICATION SOFTWARE ENGINEER

ID Quantique is looking for Embedded Application Software Engineer to join the R&D department based in the Geneva headquarters. In this role, you will be part of a highly motivated agile team, working in an international environment where a high sense of product ownership will be required. Your main duty will be the development of the core application and interfaces of our Quantum System. This System embeds complex processing, in conjunction with hardware acceleration by FPGA, crypto algorithms, advanced networking equipment capabilities, and needs to scale for large networks deployment. Moreover, it needs to be easily monitored and managed inside complex customer environments. The quality and robustness of our solution is critical; hence the candidate shall expect to develop and test the code at unit, functional and performance level. The core functionalities of the system are implemented in C/C++ but we are open to new and more efficient approaches if proven.

Key Functions and Responsibilities include:

- Design, implement and improve complex processing and features, including features related to network equipment configuration and monitoring
- Ensure high quality of the product by writing unit, functional and performance tests inside the CI chain
- Perform code reviews and support development best practices
- Participate in the product release delivery process and agile ceremonies (e.g., standups, sprint planning, grooming)

Desired Skills & Experience:

- Junior to Mid profiles with experience in C/C++ development (3-4 years’ experience)
- BSc in Computer Science (or equivalent)
- Understanding of most common data structures, databases and algorithms
- Good understanding of client-server architectures and advanced networking knowledge
- Good understanding of Server and Network monitoring,
- Good knowledge of the security concepts
- Excellent knowledge of programming in GNU/Linux environment
- Excellent communication and teamwork skills
- Professional-level English spoken and written
Nice to have:

- Knowledge in C# and .Net to manage higher level applications
- Experience in WebAPIs
- Experience in SNMP, or Software Defined Networking (SDN) alternate approaches,
- Knowledge or interest for streaming telemetry (gRPC, NETCONF, RESTCONF)
- Deep TCP/IP knowledge

The position will open in September 2020.

Should you be interested by this opportunity, please send a full application to rh@idquantique.com