

## Software Engineer

ID Quantique (IDQ) is the world leader in quantum technologies with applications in the field of sensing and security.

ID Quantique is looking for 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 our Key Management Module that links our core Quantum System to external secure networks for different industries. This module embeds complex mathematical computation, crypto algorithms, node routing 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 functionality of the module is implemented in C/C++ but we are open to new and more efficient approaches if proven.

### Key Functions and Responsibilities:

- Design, implement and improve complex algorithms and functionality
- Ensure high quality of the product by writing unit, functional and performance tests inside the CI chain
- Perform code reviews
- Participate in the product release delivery process and agile ceremonies (e.g., standups, sprint planning, grooming)

### Qualifications:

- Mid to Senior profiles with experience in **C/C++ development** (5-8 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
- Excellent knowledge of programming in GNU/Linux environment
- Excellent communication and teamwork skills
- Professional-level English spoken and written

### Nice to have:

- Additional languages including GUI developments to manage the modules
- Web-based technologies incl. containers and REST APIs experience
- Deep TCP/IP knowledge
- Knowledge or experience in setting up advanced CI environments

**The position is open immediately.**

To apply please send a full dossier including a motivation letter to : [rh@idquantique.com](mailto:rh@idquantique.com) indicating **SW Dev C** in the subject