



HARDWARE ENGINEER

At IDQ, we change the world, one photon at a time. We harness light to develop and industrialize the most advanced quantum products and technologies and help to build long-term trust. We offer quantum key distribution systems and quantum random number generators, and with them we provide the highest level of future-proof security. We develop the most advanced single-photon detectors and timing instruments to exploit the power of light at the quantum level. Our technology is outstanding, but it is the fascinating, talented people we employ who make it happen.

As ID Quantique enters a high growth phase, we are looking for a **Hardware Engineer** to join our R&D department based in Geneva. In this role, you will be working in an international environment where a high sense of product ownership is required and where your contribution to its evolution is key. You will be in charge to design, test and improve high technology system, with a particular focus on analog and high-speed circuits. You will succeed in your mission by developing complex hardware systems to drive accurately highly sensitive fast opto-electronic modules such as lasers, SPADs or interferometer. You will ensure their compliance to requirements, industrial-grade quality and fast integration in our products by closely collaborating with your team and various stakeholders.

Key Functions and Responsibilities:

- Develop complex hardware system, from prototype to an industrial product: A/D conversion, amplification, driver for opto-electronic components, signal conditioning, etc.
- Become the electronic analog expert in the R&D department and support other projects with analog challenges
- Be able to communicate effectively with other technical discipline and other stakeholders to optimize block specification and performance
- Creating schematic of complex design to interface opto-electronic devices
- Conducts complete engineering tests to bring-up and to validate the developed functions
- Follow and guide subcontractors to achieve project goals efficiently
- Rigorous approach focused on delivering high quality results using IDQ's design process flow



Desired Skills & Experience:

- Bachelor or Master in Electronic or Opto-electronic Engineering or equivalent, with 5+ years of relevant experience
- Hands on experience in developing complex and high-performance hardware module including analog, high-speed and optimized power supplies blocks is highly desirable
- Experience in opto-electronics is a plus
- Experience with laboratory measuring instruments in analog electronics is a plus
- Familiar with Altium Designer
- Familiar with electronic circuit modeling or simulation (LTSpice)
- Good English spoken and written (C1 level)
- Ability to communicate and present to internal customers and peers
- Self-starter, organized, able to work independently, positive, and eager to learn and deliver
- Team-player with a strong interest in working in an Agile environment with a high level of interaction

We offer:

- Attractive Compensation Package
- Employee Stock Option Plan
- Flexible working hours
- Career Development Plan
- Additional Paid time off
- Work on innovative product and solutions
- Centrally located and modern place of work
- Highly skilled and motivated colleagues to work with

Should you be interested by this opportunity, please send a full application to hr@idquantique.com with Hardware Engineer mentioned in the subject.

ID Quantum is an equal opportunity employer and considers qualified applicants for employment without regard to race, colour, creed, religion, national origin, sex, sexual orientation, gender identity, age, disability, veteran status or any other status protected by law.