R&D H/W Engineer_SPDM (10+ years' experience)

ID Quantique (IDQ) is the world leader in quantum-safe crypto solutions, designed to protect data for the long-term future. The company provides quantum-safe network encryption solutions and services to the financial industry, enterprises, and government organizations. IDQ also commercializes a quantum random number generator (QRNG), which is the reference in the security, simulation, and gaming industries. Additionally, IDQ is a leading provider of optical instrumentation products, most notably photon counters and related electronics. The company's innovative photonic solutions are used in both commercial and research applications.

Base Qualifications / Responsibilities

- ✓ Understand business/customer requirements and transform them into formal technical user stories
- ✓ Define efficient system architectures that scale in large networks
- ✓ Groom the system backlog, participate to the sizing of the stories, and ensure readiness for implementation
- ✓ Support technical teams in defining acceptance criteria, in understanding system workflows, in testing and troubleshooting functional or integration issues
- ✓ Research & working experience in Optics or Electronics
- ✓ Working experience and good understanding of Single Photon Detector with SPAD
- ✓ Working experience & having skills in H/W design, schematic design, PCB design, simulation of PCB, and design verification
- ✓ Having skills in engineering analysis for SPDM, SPAD, analogue-to-digital, optical board, Amplifier, High frequency
- ✓ Analyse National certification requirements and deploy in the product in line with various team members
- ✓ 10+ years of working experience.

Preferred Qualifications

- ✓ Preferred design & development experiences in Single Photon Detector development/architecture.
- ✓ Strong technical understanding is a requirement
- ✓ Good understanding of current cybersecurity challenges for companies and governments
- ✓ Ability to understand and communicate new technical concepts
- ✓ Ability to communicate with different stakeholders including senior/executive management and technical/IT experts
- ✓ Ability to work in a fast-paced high growth start-up environment
- ✓ Ability to work well in a team, be a quick learner, and be self-motivated to work independently
- ✓ Experience in working in an international environment highly desirable
- ✓ Strong knowledge of Unix/Linux-based systems and IP networks
- ✓ Good experience in security-related products, ideally around secure key distribution and hardware security modules
- ✓ Good English communication in written and verbal

ID Quantique LTD
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258 BeonGil, BungDang-gu
SungNam-si, South Korea

hr@idquantique.com
www.idquantique.com

Education Requirements:

✓ Masater's+ degree in Electronics/Electrical Engineering required. (Or equivalent)

The position is open immediately.

Should you be interested in this opportunity, please send a full application to:

HRKorea@idquantique.com

Reference to be mentioned in the subject of your e-mail: Korea RHE10

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