R&D H/W Engineer (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
- ✓ AMD Xilinx FPGA development for designated systems
- ✓ Embedded Firmware development for designated systems
- ✓ High-speed data processing development using PCIexpress Gen3 and Gen4
- ✓ Working experience in H/W design, schematic design, PCB design and simulation of PCB
- ✓ Analyse National certification requirements and deploy in the product in line with various team members
- ✓ 10+ years of working experience.

Preferred Qualifications

- ✓ Preferred development experiences in Crypto module and encryptors.
- ✓ Strong background in AMD Xilinx FPGA/PCIexpress Gen3 and Gen4/Software development/architecture.
- ✓ 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

Education Requirements:

- ✓ Bachelor'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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