.NET Software Engineer

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.

ID Quantique SA is looking for a **.NET Software Engineer** to join the R&D department based in the Geneva headquarters. In this role, you will build on our quantum safe products as part of a highly motivated agile team, working in an international environment where a high sense of product ownership is required. You will combine your passion for technology with your client focus to build our Key Management Modules. These are key to link our core Quantum System to external secure networks for different industries.

Your main duty will be to actively develop our modules, while helping your team delivering their full potential. You will handle modules embedding complex mathematical computation, crypto algorithms, node routing capabilities, and needs to scale for large networks deployment. Moreover, you will develop them to enable an easy monitoring and management of our Quantum systems inside complex customer environments. Finally, the quality and robustness of our solution is critical; hence we put a lot of emphasis on a strong CI approach, test automation and time-bound release process. These core software functionalities are implemented in .NET, in combination with C/C++ under Linux. You will get the opportunity to constantly evolve them to bridge more easily towards fast-evolving cloud infrastructure.

Key Functions and Responsibilities:

✓ Design, implement and improve our product features within a multi-disciplinary team delivering cutting-edge security product
✓ Ensure high quality of the software by owning and contributing to the CI chain
✓ Perform code reviews and ensure compliance to best practices development
✓ Contribute actively to efficient product release delivery and Agile ceremonies

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Desired Skills & Experience:

- ✓ Solid object-oriented design skills,
- ✓ 6 years of experience in C#, .NET, LINQ
- ✓ 2+ years of experience with SQL database design and development: EF
- ✓ Experience with two or more programming skills: WPF, Blazor, React, Angular, Typescript, Html5, Javascript. Blazor is a big plus
- ✓ Good understanding of SOA, Web API and Swagger
- ✓ Good understanding of distributed architectures and advanced networking knowledge
- ✓ Exhibit an ability to learn existing software code implementation methods
- ✓ Good understanding of streaming telemetry (gRPC, NETCONF, RESTCONF)
- ✓ Good understanding of quality and testing automation
- ✓ Experience with scrum mastering a plus
- ✓ Experience with standard security concepts (algorithm, key handling, encryption, federation service, authentication delegation) a plus
- ✓ Knowledge of programming in GNU/Linux environment a plus
- ✓ Knowledge and/or Experience in C/C++ a plus
- ✓ Autonomous, team-player and self-driven with a strong interest in developing and deploying a unique technical product to the market
- ✓ Professional-level English spoken and written
- ✓ BSc in Computer Science (or equivalent)

The position is open immediately.

Should you be interested by this opportunity, please send your resume and a short motivation message through JobUp recruitment plateform.

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