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itrust consulting s.à r.l.

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Cryptography researcher and developer (m/f)

Context

For a research project in distribution and management of quantum-established cryptographic keys, itrust consulting would like to hire a Cryptography researcher and developer.

Requirements

- Good system documentation skills, in particular in system requirements and specifications;
- Good programming skills, especially related to cryptographic applications;
- Analysing and modelling skills (UML, SysML);
- Experience in development and familiarity with development management methods such as SCRUM or project management methods such as PRINCE2 are considered an advantage;
- Excellent knowledge in classical cryptography and security protocols, in particular pertaining to key exchange and cryptographic key management, or 2 years' experience in development;
- Knowledge in quantum key distribution protocols.
- Knowledge in System Certification Processes and testing.

Profile of the candidate

- Master's degree in computer science or mathematics;
- Co-author of minimum two scientific publications;
- Experience in product specification would be an advantage;
- High motivation to propose new services;
- Fluency in English (Luxembourgish, French and German are considered as an advantage);
- Capability to work independently and within a team;
- Analytical and synthesis skills for writing technically correct, convincing and easy-to-understand reports;
- Good knowledge of the Microsoft tools Word, Excel, PowerPoint, Outlook, Latex (any other tool will be considered as an advantage).

Thank you for sending your most recently obtained diploma and ratings for the last two academic years, your updated CV, a letter of motivation and two articles, written by you (PDF) to Ms Marieta Dimitrova.