



## Job offer

### Move securely within the cyberworld

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## Junior cryptography researcher for IoT and distributed ledgers (m/f)

### Context

For the ongoing EU-funded projects bloTope (<http://www.biotope-project.eu/>) and ATENA (<https://www.atena-h2020.eu/>) itrust consulting would like to hire a Junior cryptography researcher. The candidate must be willing to pursue PhD studies in the context of these projects, should FNR funding be secured for this purpose.

### Requirements

- Excellent knowledge in classical cryptography, lightweight cryptography, and security protocols;
- Excellent knowledge in distributed ledger technologies, e.g. Bitcoin;
- Good knowledge in e-money, micro billing, and scaling distributed ledgers;
- Knowledge in the area of open data, Internet of Things, big data, cloud;
- Knowledge on data protocols, data formats such as O-MI (Open Messaging Interface) and O-DF (Open Data Format);
- Analysing and modelling skills (UML, SysML);
- Good programming skills, especially related to blockchain applications;
- Experience in development and familiarity with project management methods such as SCRUM or PRINCE2 are considered an advantage.

### Profile of the candidate

- Master's degree in computer science or mathematics;
- Co-author of minimum two scientific publications;
- High motivation to propose new services;
- Fluency in English (French, Luxembourgish and German are considered as an advantage);
- Capability to work independently and within a team;
- 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.**