

Cryptography Expert

About CryptoExperts

CryptoExperts is a company founded by internationally recognized industrial and academic researchers in IT security and cryptography. Launched in 2009, the company intends to fill the huge gap that exists between the scientific state of the art and the technology level found in current security products. Through research, consulting services and business-driven innovation, we help the security industry benefit from the latest available advances in cryptography to improve their products and services. We have gathered - and go on gathering - cryptography experts with complementary skills and knowledge of the field to offer a unique panel of services ranging from product development to the conception of new security systems. CryptoExperts' clients and partners include leading technology companies from around the world.

For more information: <https://www.cryptoexperts.com/>

Job description

The ambition of CryptoExperts is to develop innovative technologies in cryptography to meet the emerging needs of the security industry. This ambition is reflected through a team of multi-experts in cryptography and engineers endowed with a particular taste for research, innovation and practical applications.

As a cryptography expert, you will contribute to R&D and consulting missions for various customers, including

- security assessments for systems/applications that involve cryptography,
- development of secure and optimized cryptographic libraries,
- feasibility study and the tailor-made design of specific cryptographic solutions.

You will also take part to various research projects of the company on topics such as homomorphic encryption, white-box cryptography, post-quantum cryptography, secure cryptographic implementations, security proofs against side-channel attacks, zero-knowledge proofs.

Type of position: **permanent contract**

Location: **Paris or (partially) remote**

Preferred experience

The candidate should have:

- PhD degree in computer science or cryptography
- experience in design/implementation/evaluation of crypto algorithms/protocols/applications
- good general knowledge of cryptography
- particular taste for applied research
- development skills (knowledge of Python, C/C++)
- organization and communication skills
- proficient in English

Application

To apply please write to jobs@cryptoexperts.com with

- a short description of your profile, story and motivation,
- your CV,
- (optionally) recommendation from (former) co-workers.