Software Engineer

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 software engineer you will be working alongside a team of cryptographers to address the needs of CryptoExperts' customers in terms of software development and evaluation. You will contribute to the internal R&D effort of the company, notably in terms of design and implementation of

- cryptographic libraries targeting high efficiency and high security in constrained environments (e.g. embedded systems),
- a framework for the design and implementation of white-box cryptography components (compilation and obfuscation).

You will also be involved in various applied research projects and contribute to the development of prototypes of innovative cryptographic protocols and applications.

Type of position: **permanent contract**

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

Preferred experience

The candidate should have:

- advanced development skills,

- experience with Python, C/C++, assembly (x86, ARM, …)

- knowledge in compilation

- taste for, (optionally) knowledge of, software security and/or applied cryptography

- organization and communication skills

- proficient in English

- (optionally) PhD degree in computer science

- (optionally) experience with Rust, Solidity

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.