



Lead Engineer (Rust / C++, Cryptography) - M/W

Cosmian is looking for a passionate professional with a significant expertise in Rust / C++ and a strong interest for cryptography.

Job Description

Your main responsibility will be to lead the development of Cosmian cryptographic library. Currently written in C++ 17, the library is still in its early iterations and incorporates the latest mathematical research in homomorphic and functional encryption. These cryptographic advances provide Cosmian with the ability to perform calculations on encrypted data and hence better protect privacy. Your daily tasks will involve working with some of the best world cryptographers from École Normale Supérieure to design and to deliver the best implementation of their latest research.

The job is full-time and located in Paris, France, but the mastering of French is not mandatory. Remote work may be envisaged with specific requirements. The package includes the full French social security and work protection benefits (CDI) as well as stock options (BSPCE).

Required skills/qualifications

You must be maths-savvy (with an engineering degree or proven track record), have a strong interest in finding better algorithms and data structures and you must show a passion for chasing micro-seconds down.

About Cosmian

Our ambition is to solve the Private Data paradox: how to provide Private Data Intelligence to a rapidly rising data economy without compromising privacy.

With the support of leading cryptographers, we are developing a unique approach to data protection & valorization for ecosystems handling private data. Based on state-of-the-art cryptographic techniques, the Cosmian platform enables data insights & analytics on encrypted data without revealing the underlying data but with a mathematically enforced consent. Our platform uniquely combines encryption (functional encryption & homomorphic encryption) and consent management to support various business vertical applications in B2B scenarios: financial data, health data, CRM, geolocation, IoT...

With us, you will work on technologies that will have a strong worldwide impact in the way data is handled.

[Cosmian](#) is a young and ambitious company started by three seasoned entrepreneurs, backed by a leading VC and which has established strong ties with French academic research (École Normale Supérieure, in particular).

Contact

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