Post-quantum cryptography

SW developer

Dencrypt is looking for a skilled and innovative engineer to join our activities in developing the next-generation cryptographic solutions.

The job
In collaboration with the Danish Defence, we have started a research project with two PhD students on cryptographic algorithms robust against attacks using quantum computers.

The position concerns evaluating the feasibility of candidate post-quantum cryptographic algorithm for practical realisations. In close collaboration with the PhD students and the Dencrypt cryptographic SW-development team, you will perform feasibility studies and implement demonstrators on actual HW-platforms to evaluate and optimise performance. You are also expected to take part in the daily SW-development activities, including feature development, test and release.

The position is time-limited for 2 years. The workplace is the Dencrypt office in Hvidovre.

Qualifications
You have probably just finished (or is about to finish) your Master degree in engineering, mathematics or computing with an emphasis on cryptography and programming. Preferably applicants:

- have a good understanding of cryptographic concepts and algorithms.
- are skilled in SW-programming languages, such as C, C++, Python o.l.
- have worked with large open-source libraries.

It is an advantage if you are familiar with continuous SW-development methodologies and tools such as GIT, Jenkins, Bitbucket. We expect you can work independently in a structured manner and have a sense for quality in both coding, test and documentation.

We offer
We have an open and informal working day with delegated responsibilities. We help and support each other to achieve a common goal. You will have a unique opportunity to further develop your skills and be part of a small company with excellent growth potential.

For mere information kontakt Søren Sennels, COO: +45 2083 6597.
Submit a short motivation, CV and grade sheet to career@dencrypt.dk before 31 October 2020. We continuously evaluate the applications.

About Dencrypt
Dencrypt A/S specialises in developing and providing secure communication solutions based on the principle of Dynamic Encryption. Dencrypt was established to enable everyone to communicate in confidence. We combine advanced encryption technology with user-friendly operation. Dynamic Encryption was invented by Lars Ramkilde Knudsen, Professor in cryptology at the Technical University of Denmark.
www.dencrypt.dk