Youenn Laborde

Golang developer

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github.com/kahlys

Work experience

October 2016 – Present
Backend and Cryptographic Developer, *ERCOM a THALES Company*, France
Developed a C++ cryptographic library, for a secure communications application (double ratchet and signal like algorithm).
Developed Golang microservices and servers (authorization, authentication, administration), for secure mobile communications and fleet devices solutions.
Added monitoring to all server with prometheus/grafana. Improved microservices deployment using docker and kubernetes.
Checked SSL/TLS issues on our services and presented ways to improve/fix them.
Taught Golang to other R&D teams of the company.

Intership

April 2016 – September 2016
Cryptographic Developer Intership, *ERCOM*, France
Developed a unique Golang cryptographic library for a secure collaborative solution applications (desktop, smartphones, browsers). The library was for basic functions, password authenticated key exchange (Spake2+, Sigma0) and Integrated Encryption Scheme (ECIES).
Researched and tested the use of a HSM (Hardware Security Module) for the security module server of the solution.

Education

2014–2016
Master's Degree, *Université Paris 7 Diderot (now Université de Paris)*, France
Mathematics, Computer science and Cryptology

2011–2014
Bachelor's Degree, *Université Paris 7 Diderot (now Université de Paris)*, France
Mathematics and Computer science

2008–2011
High School Diploma, *Lycée Jacques Decour*, Paris, France
Scientific option, speciality mathematics

Technical skills

Languages: **Golang**, Python, Rust, Dart/Flutter, JAVA, C/C++, LaTeX
Technologies: Docker, Git, CI, PostgreSQL, Redis, OpenSSL, RabbitMQ
Mathematics: Cryptology, Algebra, Galois theory, Automata theory

Languages

French *Native*
English *Technical/Proficient*

Interest

Cyber Security *(pentest, hacking and crypto challenges)*
Data Science *(machine learning, genetic algorithm, nlp, tensorflow, numpy)*
Cinema *(directing, editing)*
Music *(piano, orchestral writing)*