Noam Zeitoun

Versatile, focused, quick-learner.

zeitoun.noam@gmail.com
Paris, France
noamzeitoun.dev

Skills

Agile, Docker, Git, LaTeX, MongoDB, PostgreSQL, Unix/Linux, [...]
Go, Python, JavaScript, Haskell, [...]
French (native), English (fluent)

Education

Cert. V (RNCP31114) Web & Mobile Web Developement (Data Specialization)   2021
    O'clock, Paris, France
B.Sc. Basic & Applied Mathematics   2019
    Université Paris Cité (Campus Grands Moulins), Paris, France

Work Experience

Software Engineer, NXO, Paris, France   10/2021 - present

- Apprentice master for a work-study student preparing a Bachelor's degree in Mathematics and Computer Science Applied to Social Sciences (MIASHS), for one year.

- Development of a CLI application in Go, to send commands to routers and switches via SSH, as well as configuration management (save/send).

- Development of a monitoring platform (for the CLI application) in Go/JS, using a fast and robust web framework (Go) and a high-performance asynchronous messaging library (Go). Vanilla for the JavaScript side.

- Development of a security system in Go, versioned and designed to encrypt and decrypt secrets using the robust encryption algorithm (NaCl/libsodium).

- Development of a "from scratch" license server in Go.

- Development of a Go program that generates secure license keys for a given application. The program takes into account parameters such as license limit, number of devices and validity period to create unique license keys, and checks the validity of file paths for the keys. It uses RSA-OAEP encryption techniques with SHA-256 to guarantee the security of the generated keys.

- Writing exhaustive unit tests and security audits to guarantee the reliability of the license key generation program. These measures detected potential vulnerabilities and ensured compliance with best practices and IT security standards, contributing to the creation of a robust and secure product.

- Development of a dynamic plug-in system in Go, using RPC, planned over a local network.

- Proven experience in the creation and presentation of slide shows covering a diverse range of subjects, including cryptography, popularization and simplification of quantum mechanics concepts and the application of quantum principles in computing...

- Participation to the writing of a research paper with the NetDevOps team, dealing with an application of artificial intelligence to network automation, Natural Language Processing (NLP).

Publication

1. *Noam Zeitoun*. Abduction and Logic Programming, 11 pages, Dec 2022, en / fr

2. *Gilbert Moisio, Alexandre Gonzalvez, Noam Zeitoun**. Introduction to the Artificial Intelligence that can be applied to the Network Automation Journey, 20 pages, Apr 2022, arXiv:2204.00800

Projects

Skorpio
    Stack-oriented programming language (compiled, native, Turing-complete), documentation