

Noam Zeitoun

Versatile, focused, quick-learner.

Paris, France



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noamzeitoun.dev



Skills

Agile, Docker, Git, LaTeX, MongoDB, PostgreSQL, Unix/Linux, [...]

Go, JavaScript, Node.js, Python, Haskell, [...]

French (native), English (fluent)

Education

Cert. V (RNCP31114) Web & Mobile Web Development (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

- Development of a terminal-based application in Go, to send commands to routers and switches via SSH based on Gomiko (a Go wrapper for Netmiko). The application is using goroutines to improve and parallelize execution (6 seconds for 1700 routers). It handles router's shell errors detection, with a background continuous analysis of the network and logs.
- Apprentice master for a work-study student preparing a B.Sc. Mathematics & Computing Applied to Social Sciences (MIASHS), for a period of one year
- 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)
- Development of a package to integrate the NetDevOps ecosystem in a VM using Docker, Gitea, Grafana, Nautobot, Prometheus, Traefik and Vault
- Development of a dashboard website to demonstrate the action of network automation with a NetDevOps ecosystem using a headless architecture with EVE-NG, Grafana, IPFabric, JavaScript (Vue.js), MongoDB, Nautobot, Python (FastAPI, Nornir) and Vault

Publication

1. *Noam Zeitoun*. Abduction and Logic Programming, 11 pages, Dec 2022, [en](#) / [fr](#)
2. *Gilbert Moisis, 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](#)