I'm an engineer in computer science passionate about linux, decentralization and minimalism.

I started as a fullstack developer and I reoriented myself to a devops expertise. When I'm not learning new tech, I spend time on my open-source projects.

Niels Robin-Aubertin

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Education

2015 — 2016 **Télécom SudParis**	Major in entrepreneurship
2012 — 2015 **ENSIIE, Évry**	Engineering degree in computer science, specialization in systems
2009 — 2012 **Lycée Buffon en MP*, Paris**	Preparatory course for competitive entrance exams into engineering schools
2007 — 2009 **Lycée Louis-le-Grand, Paris**	Scientific baccalauréat, specialization in mathematics

Work experiences

11/2018 — 07/2019
Lydia-app, France
lydia-app.com

DevOps engineer

- Optimization of the MariaDB database's requests
- Replication with data anonymization from the operational cloud to GCP
- Set up of the dev/test environments for the backend devs via Docker/Python
- Access control and disposal of GCP's resources for the data-scientists
- Automated creation of test instances for the continuous deployment of the backend via Ansible
- Parallelization of the test suite leading to a 95% reduction of its duration
- Deployment of wordpress servers with vsftpd and phpmyadmin

Technical environment:
Linux, Docker, Python, MariaDB, Ansible, GCP, Shell, SQL, Jenkins

Lead developer full-stack and linux system administrator

- Development of the frontend via Angular and of the REST API with Symfony
- Deployment of the services and administration of the Ubuntu servers
- Migration of the previous VM architecture to Docker in production leading to a cost reduction of 50%

07/2016 — 05/2018
Ommi, France
www.ommi.fr

Technical environment:
Linux, Docker, PHP, Symfony, Angular, AWS, Shell, MariaDB

Projects *https://niels.fr/projects*

Dockerfiles

I'm maintaining a collection of docker images that have as goal to be simple to use, lightweight and secure by default.

Zusam

Zusam is a free and open-source way to self-host private forums for groups of friends. Composed of a server written in PHP exposing a REST API and a lightweight webapp, Zusam is extensible and easy to install.

The goal is to make a stable, extensible, lightweight and user-friendly way to self-host private social groups.

sc2.n1.gg

Aggregation and statistics about starcraft 2 pros match results.

Backend+API in Symfony 4 and PostgreSQL.

Chess

I've created an AI playing chess.

The AI is made in C and explores the game tree using negamax coupled with MTD-f and a Zobrist transposition table.

I implemented a lightweight multithreading for the process of depth 0 nodes.

Ansible playbooks

A collection of ansible playbooks to maintain and secure CentOS servers and its dockerized services.

Technical skills

DevOps:

Ansible, Docker, Podman, Traefik, Nginx, Fail2Ban, Jenkins, Pure-ftpd, Wireguard, Terraform

System:

Linux (CentOS, Debian, Ubuntu, Gentoo), systemd, s6

Cloud:

GCP, AWS

Tools:

Git, Vim, Github, Gitlab, Bitbucket, Jira, Slack

Languages:

Python, Shell (POSIX), SQL, C, PHP, Javascript, HTML, CSS

Databases:

MySQL, MariaDB, SQLite, PostgreSQL

Languages

French: Native   **German:** Native   **English:** Fluent, 940/990 (TOEIC)