Niels Robin-Aubertin

I'm a **devops/SRE/cloud engineer** passionate about linux, decentralization and minimalism.

+33 7 86 75 42 24
hello@niels.fr
https://niels.fr

Technical skills

DevOps: Ansible, Docker, Podman, HAProxy, Traefik, Nginx, Fail2Ban, Jenkins, Pure-ftpd, Terraform
System: Linux (CentOS, Debian, Ubuntu, Gentoo), systemd, s6
Cloud: GCP, AWS, Azure
Tools: Git, Vim, Github, Gitlab, Bitbucket, Jira, Slack
Languages: Python, Shell (POSIX), SQL, C, PHP, Javascript, HTML, CSS
Databases: MySQL, MariaDB, SQLite, PostgreSQL, Elasticsearch

Work experiences

Stilla, France

Apr. 2020 - Now · Devops engineer

· Deploy a gitlab instance for the software and hardware teams with it's associated runners on internal servers
· Push usage of the C++ package manager Conan to the software developers and deploy artifactory as a private registry
· Create linux containers and windows VMs tailored for the building and testing of the various pieces of software (including integration testing with Squish)
· Develop and deploy a license creation and management website for the production and support teams (using Django)
· Deploy an ELK stack to retrieve and analyze operational data from our products used internally
· Develop a python tool to replicate parts of the CI locally to help developer in their debugging

Lydia-app, France

Nov. 2018 - June 2019 · Devops engineer

· Optimization of the MariaDB database's requests
· Replication with data anonymization from the operational cloud to GCP
· Set up of a dev and test environment 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 server with vsftpd and phpmyadmin

Ommi, France

Oct. 2016 - April. 2018 · Lead Developer full-stack and 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%

Education

Télécom SudParis
2015 - 2016 · Major in entrepreneurship

ENSIIE, Évry
2012 - 2015 · Engineering degree in computer science, specialization in systems

Lycée Buffon en MP*, Paris
2009 - 2012 · Preparatory course for competitive entrance exams into engineering schools

Lycée Louis-le-Grand, Paris
2007 - 2009 · Scientific baccalauréat, specialization in mathematics

Projects (https://niels.fr/projects)

Dockerfiles *(60 ★ on github)*

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

Zusam *(50 ★ on github)*

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.

Ansible playbooks

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

Languages

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