

PIERRE THÉVENET

DevOps Engineer

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Lyon area

pthevenet.com



EXPERIENCE

DevOps R&D Engineer

2024 Feb-Jun

Exotec

Lyon, FR

- > Configuration as code with Ansible.
- > Implementation of fault-tolerant Prometheus/Alerting.

DevOps Engineer

2021-2023

ELCA Cloud Services

Lausanne, CH

- > Development, operations and testing of openstack clouds.
- > Development of infrastructure/configuration as code on public and private clouds (Azure, GCP, Openstack, Openshift, VMWare).
- > Deployment and operations of Kubernetes projects on Openshift.
- > Design, development, deployment and operations of highly-available database systems (Postgresql/Patroni, MariaDB/Galera and Etcid).
- > Implementation of monitoring, observability and testing (load and functional) for infrastructure (CheckMK, Tempest/Rally, databases, ELK, scripting).
- > Documentation, code reviews and knowledge sharing.

Master Thesis Intern

2020 Spring (6 months)

NEC Laboratories Europe

Heidelberg, DE

- > Research in consensus protocol performance and blockchain security. Development in go and testing on multi-region AWS.

Security Operations Center Intern

2019 Summer (2.5 months)

CERN

Meyrin, CH

- > Implementation of automated long-lived queries for big-data security logs, using Spark, Scala, HDFS and Elasticsearch.

Software Engineer Intern

2018 Spring (6 months)

Cisco Systems

Lausanne, CH

- > Improvement of a traffic generator (TRex). Design and implementation of a modular protocol simulator in Python achieving great scaling, in particular for the simulation of wireless access points traffic.

EDUCATION

MSc+BSc Communication Systems EPFL

2014 - 2020

Lausanne, CH

- > Master GPA 5.3/6 (88%), Bachelor GPA 5.5/6 (92%).
- > Master specialization in *Software Systems*.
- > Teaching assistant for *Decentralized Systems Engineering* (2018, 2019).
- > Teaching assistant for *Discrete Structures* (2015).
- > Exchange year abroad at KAIST in *Computer Science* (Daejeon, South Korea).

CERTIFICATIONS

- > Certified Kubernetes Administrator 2024, CNCF
- > Ceph Intensive Training 2021, Croit
- > Site Reliability Engineering 2023, Google
- > Foundations of Positive Psychology 2023, UPenn

SKILLS

DevOps Tools

Docker Ansible Puppet Terraform Git

Infrastructure

Linux Kubernetes Openstack Ceph

Database infrastructure

Postgresql / Patroni MariaDB / Galera Etcid

Cloud deployment

Openstack Kubernetes GCP

Monitoring/Observability

Prometheus CheckMK Elasticsearch / ELK

Programming

Proficient:

Python Shell/Bash Go

Limited experience:

Scala SQL Javascript Java C

SOFT SKILLS

- > Perceptiveness
- > Autonomy
- > Knowledge sharing
- > Accountability

LANGUAGES

- > **French** - Native speaker
- > **English** - Fluent