Mobile: +33 (0)6 87 79 01 99
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34 years old
Online: https://redref.github.io/self-resume/

Ceph DevOps Grafana Kafka Docker
Prometheus Kubernetes
K3S HPC Elastic

Thanks to 14 years of experience in system engineering, 10 in "infra-as-code" and 5 in cloud technologies, I have a skill set allowing me to be pertinent in infrastructure and solutions design and operation.

I am looking forward to integrate a team to design complete architectures and solutions, serving a good product.

Skills and Technologies

Infrastructure / Deploy

Terraform   GCP/GKE   Kubernetes (K3S/AKS/GKE/EKS)   Jenkins   Artifactory
Puppet/Ansible/Saltstack   Gitlab/Jenkins

Monitoring / Tracing

Fluentd   Prometheus   Grafana loki/tempo   OpenTSDB   ELK stack

Development / Frameworks

Kubernetes operators   Django   App Engine

Languages

Go   Python   Shell

Databases / Storage

Mongo   Elasticsearch   Hadoop   Kafka   Cassandra   PostgresSQL   MariaDB   Ceph
MooseFS

HPC

Slurm   Infiniband RDMA   CUDA

Education

Professional degree (Licence) in "Networks administration and security"

2008

Technology degree (DUT) in "Networks and telecommunications"

2007

Experiences

Senior SRE

since 2021 (3 months)

Prevision.io

Technologies: GKE, EKS, Kubernetes, Docker, Helm, ArgoCD, Gitlab

In a team of 4, manage kubernetes clusters, application deployments and manage integrations including cloud marketplaces.
Projets:
 - Bootstrap AWS EKS infra
 - Integrate AWS marketplace
 - Migrate GKE cluster

DevOps

2020 to 2021

Altair Engineering

Technologies: Kubernetes, Docker, Mongo, Python, Grafana Stack, K3S, Gitlab

Manage infrastuctur and release for a multi-cloud ressources deployment software in micro-services (bursting or dedicated use cases). Manage cloud tests configurations on 7 clouds, deploy and support owned deployments and support clients.
Develop and deploy integrations with off-the-shelf softwares for monitoring, tracing or hooking.
Projects:
 - Make all micro-services highly-available in kubernetes deployments
 - Deploy software on-premise with K3S
 - Refactor tool managing differences between compose/kubernetes development flavor (github.com/altairengineering/pkr)

- Migrate tests from Jenkins to GitlabCI
- Monitoring, logging and tracing using some Grafana Tools (Loki/Tempo)

"System Reliability Engineer"
Blablacar (Paris)

2018 to 2019

Technologies: Kubernetes, Docker, Rkt, Go, Prometheus, Nginx, BGP, Istio

In a team of 3, responsible to design, choose and reliability of databases clusters: MariaDB, Hadoop, Vertica, Cassandra, Redis ... and data manipulation tools: Kafka, Kafka Connect, Airflow.
In a bigger team, participate in infrastructure, app deployment and project specific solutions.
Projets:
- Revamp API caching layer (Nginx) in a reliable way (multi-layered)
- Migrate databases to GKE, define containers, deployment policies, monitoring, backups ...
- Redesign logging stack

System engineer in HPC/BigData
Ministry of defense (Paris)

2014 to 2018

Technologies: Puppet, Linux, Python, Django, DRF, Ceph, Infiniband, GPU

Choose hardware according to software benchmarks and problems.
Provision, configure, patch and maintain "bare metal" hardware clusters.
Integrate and optimise HPC and BigData softwares for performance.

Design and develop tools as daemons, APIs or webservices to manage platforms (Python)
Analyse customers applications to optimise workloads.

System engineer in e-commerce
Galeries Lafayette (Paris)

2013 to 2014

Technologies: Apache, Varnish, Tomcat, Oracle, Hybris, Graphite

Manage and maintain the 3-tier web platform and product publishing workflows.
Design and maintain delivery architecture with test platforms and automatic build processes.
Integrate metrology tools used by the platform capacity planning and marketing.

System engineer in HPC
OVH GS - Oxalya (Paris)

2013

Technologies: Linux, Slurm, Lustre, Infiniband, GPU Nvidia

Install, deploy and maintain dedicated HPC clusters in customers offices.
Integrate a "software as a service" offer.
Compile, optimise and benchmark computation softwares.

System administrator
DCNS (Cherbourg)

2010 to 2012

Technologies: Linux, Oracle, JBOSS, Apache, Tomcat, Java, Centreon, Control-M

Install and maintain industrial applications (stock and workflows) and daily data processes.
Develop tools to ensure a safe and smooth delivery installation process.

System administrator "Intelligent Network"
Alcatel-Lucent

2008 à 2010

Assignments: Bell M (Canada), OTE (Grèce), Orange (R.Dominicaine).
Technologies: Solaris, Oracle, Switching

Install and deliver IN application cluster and services on customer site.

Network administrator (internship)
MMF Services (Quéven)

2008

Configure new network stack with internal needs.
Integrate web-services as alternatives to VPN.

PHP developer (internship)
Solstys (Lannion)

2007

Integrate WebDav protocol in the CMS product by emulation in PHP.

Interests	Trail running
	Development and new technologies (home system, deep learning algorithms, ...)
	Online gaming