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

Ceph   *DevOps*   *Git*   *Kafka*   *Docker*   *Prometheus*   *Puppet*   *Data*   *Kubernetes*   *Elastic*

Thanks to 10 years of experience in system engineering, in many different contexts and goals, I have a skill set allowing me to be pertinent in infrastructure, application operations and data workflows either in datacenter or cloud infrastructure.

I am looking forward to integrate a team to design complete solutions, with always performance, scalibility and simplicity in mind.

Skills and Technologies

Infrastructure / Deploy
Terraform   GCP/GKE   Kubernetes   Jenkins   Artifactory   Gilab   Puppet   Gitlab

Monitoring / Tracing
Prometheus   Jaeger   OpenTSDB   Nagios   Kibana   Fluentd

Development / Frameworks
Kubernetes operator-sdk   Django   DRF   App Engine

Languages
Go   Python   Shell

Databases / Storage
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

"System Reliability Engineer"   *since 2018*
Blablacar (Paris)

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   *2014 to 2018*
Ministry of defense (Paris)

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   *2013 to 2014*

Galeries Lafayette (Paris)

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

2013

OVH GS - Oxalya (Paris)

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

2010 to 2012

DCNS (Cherbourg)

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"

2008 à 2010

Alcatel-Lucent

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)

2008

MMF Services (Quéven)

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

PHP developer (internship)

2007

Solstys (Lannion)

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