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Summary

Hello world,

loving computers and engineering since 1998, I own far too much mechanical keyboards and began on Mac OS 7 PPC.

Experience

Senior Site Reliability Engineer
BeReal.

Dec 2021 - Present (1 year 6 months)
It's time to BeReal.

I mainly worked on designing and implementing the scaling of a cloud native infrastructure fully in GCP, from thousands of daily users to several 10th of millions and counting. A high level of expertise was necessary to tackle complex and unusual engineering problems, while keeping it light to manage, cost efficient and above all performant under high pressure for very short time windows.

Skills: Google Cloud Platform (GCP) · Kubernetes · DevOps · Systems Design · Scalability · Web Application Security · Redis · Continuous Integration and Continuous Delivery (CI/CD) · Infrastructure as code (IaC) · PostgreSQL · Docker · Git

Senior Site Reliability Engineer
Dougs Compta

Feb 2021 - Aug 2021 (7 months)
The goal was to migrate the entire technical stack from Heroku to Google Cloud Platform without downtime. It has been delivered with great success.

Skills: Google Cloud Platform (GCP) · DevOps · Continuous Integration and Continuous Delivery (CI/CD) · Infrastructure as code (IaC) · System Architecture · PostgreSQL · Docker · Terraform · Ansible · Git
Status: freelance

Senior Site Reliability Engineer
Pixwoo

Mar 2021 - Sep 2021 (7 months)
Pixwoo is a mobile first gaming platform to exchange ideas, trophy, insights. I worked to optimize the whole Google Cloud Platform architecture; the backend API / cache / datastores for fast and easy delivery, refactor and improve the automation processes and code.

Skills: Google Cloud Platform (GCP) · Scalable Web Applications · Redis · iOS · Android · Symphony · PostgreSQL · Docker · Git
Status: freelance

Senior Site Reliability Engineer
SUPERPROD
Nov 2020 - Feb 2021 (4 months)
I managed to deliver an e2e solution to deploy and own multi Kubernetes clusters (Rancher flavor) on-premise plus evangelize observability patterns for logs and metrics.

The whole solution has been handover to the backend team with success, to help them render cinema, cartoon and image videos at high-scale.

Skills: Kubernetes · DevOps · Rancher Kubernetes Management · Elastic Stack (ELK) · Docker · Terraform · Ansible · Git
Status: freelance

Senior Site Reliability Engineer
Navya Group
Sep 2019 - Nov 2020 (1 year 3 months)
Navya is an autonomous vehicle provider from the hardware to the software.

I worked hard to deliver a software build and delivery pipeline to ensure that the vehicles run perfectly, in a secure and managed way across the world.
I also worked on the automation and AWS cloud design to support the fleet management from the vehicle itself to the backend API in AWS.

Skills: Amazon Web Services (AWS) · Go (Programming Language) · Gitlab · Embedded Systems · Continuous Integration and Continuous Delivery (CI/CD) · Docker · Terraform · Ansible · Git
Status: freelance

Core Platform Engineer
vente-privee devient Veepee
Jan 2019 - Jan 2020 (1 year 1 month)
Designing, automating, delivering the things internally to support the technical products needs on-premise. From distributed storage, to multi Kubernetes clusters, observability stacks... that means a lot of different topics for a company of 1000 engineers.

Skills: Kubernetes · QEMU · Virtualization · Continuous Integration and Continuous Delivery (CI/CD) · Terraform · Ansible · Git · GitLab · Ceph · Python

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Lead Site Reliability Engineer

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Nov 2017 - Jan 2019 (1 year 3 months)

Leading a team of SRE dedicated to make the delivery of parcels fast and reliable. Through automation, special expertise about WCS and WMS softwares and lot of work, job has been done for a perimeter of 15 warehouses (450 000m2) running 24/24.

Skills: Kubernetes · Python (Programming Language) · Gitlab · MongoDB · Microsoft SQL Server · Node.js · Continuous Integration and Continuous Delivery (CI/CD) · Oracle · PostgreSQL · Docker · Terraform · Ansible · Git · QEMU · Datacenter

Site Reliability Engineer

Optimiz.me

Nov 2016 - Oct 2017 (1 year)

optimiz.me / mazen is a modern SaaS startup for SEO automated recommandation and ranking in almost realtime.

As the only SRE onboard I backed the backend and researcher engineers on the GCP infrastructure, CI/CD, databases, monitoring and security sides. From zero to production ready.

Skills: Google Cloud Platform (GCP) · Kubernetes · HAProxy · Gitlab · MongoDB · RabbitMQ · Web Application Security · Node.js · Redis · PostgreSQL · Docker · Git

Platform Engineer (OpenStack)

CNRS

Sep 2015 - Nov 2016 (1 year 3 months)

National computer science department dedicated to High Energy Physics Research, mainly with the CERN.

Building, automating and supervising HPC OpenStack clusters dedicated to high performance physics research.

Skills: Systems Design · Web Application Security · Continuous Integration and Continuous Delivery (CI/CD) · Infrastructure as code (IaC) · Docker · Git · Puppet · Ansible · OpenStack · ELK · Distributed File Systems · High Performance Computing · Datacenter

Site Reliability Engineer

CNRS

Dec 2014 - Oct 2015 (11 months)

eTRiKS (IMI/EFPIA) European project for pharmaceutical translational research (finding pattern for new medicine)

Within a team of 3, we manage to build from scratch a private cloud with OpenStack to support a bioinformatics
open source stack (R, Rserve, tranSMART, PostgreSQL, Java) letting the biologists conduct their research as fast and reliable as possible.

I led some deep work on HPC performance optimization for OpenStack and the architecture of a R computing farm amongst other things.

See the associated scientific publication.

Skills: DevOps · Linux · Cloud Computing · Systems Design · Infrastructure as code (IaC) · Ansible · Puppet · PostgreSQL · Docker · Git · OpenStack · High Performance Computing · Datacenter

Entrepreneur
VMPath
Jan 2014 - Dec 2014 (1 year)
Early cloud computing services and products.

Skills: Systems Design · QEMU · Virtualization · Datacenter · Internet Backbone · Web Application Security

Administrateur Reseaux (datacenter)
DCforDATA
Mar 2012 - Feb 2014 (2 years)
Early staff and founding of Tier III datacenter (1000m2) and it's regional / national network backbone operations (fiber, BGP...) now part of Jaguar Network, Free

Skills: Cloud Computing · Data Center · Internet Backbone

Administrateur systèmes & réseaux
Institut Lumière
May 2009 - Oct 2009 (6 months)
My first professional experience couldn't be in another field than cinema

Skills: Domain Name System (DNS) · Network Administration · Domain Management · Fiber Optic Networks

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Education

Udacity

Google Developer Challenge Scholarship: Mobile Web Specialist, Computer
Programming

2018 - 2018

Isitech, École d'Ingénierie Informatique

Master's Degree, Computer Engineering

2012 - 2014

Isitech, École d'Ingénierie Informatique

Bachelor's Degree, Information Technology

2011 - 2012

Campus Sciences-U Lyon

Information Technology

2007 - 2008

Licenses & Certifications

IEEEx - ATG1.x From Goddard to Apollo The History of Rockets - edX

UQx Think101x The Science of Everyday Thinking - edX

Google Cloud Platform for Systems Operations Professionals Specialization -
Coursera

JV6EMDMWEAB2

Certified Kubernetes Administrator - The Linux Foundation

CKA-1900-001342-0100

Skills

Amazon Web Services (AWS) • Google Cloud Platform (GCP) • Kubernetes • DevOps • Python
(Programming Language) • Go (Programming Language) • Linux • Scalable Web Applications • GitHub
 • Gitlab

Honors & Awards

**eTRIKS platform: Conception and operation of a highly scalable cloud-based
platform for translational research and applications development** - CNRS

2018