Senior DevOps

THIBAULT KETTERER

level 20 (years)

Facts

personal

- Thibault Ketterer
- nationality: French
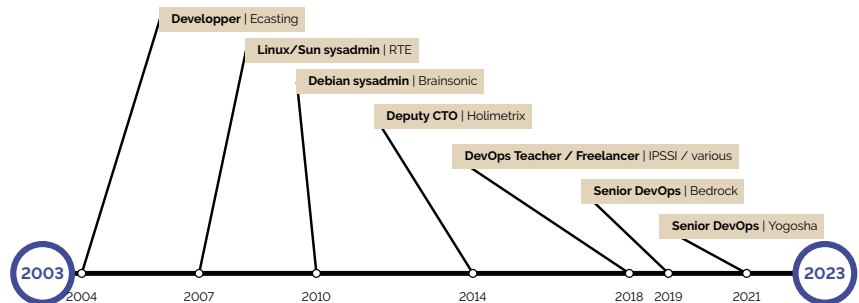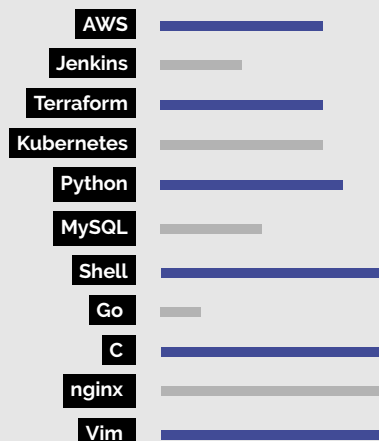- 1980
- France

Skills

French	C2	mother tongue
English	C1	● ● ● ● ○

Interests

security · monitoring · automation · **DevOps** · alerting · analyze · scripting

OS:

IT & programming

- AWS
- Jenkins
- Terraform
- Kubernetes
- Python
- MySQL
- Shell
- Go
- C
- nginx
- Vim

Timeline 2003 – 2023:
- Developper | Ecasting
- Linux/Sun sysadmin | RTE
- Debian sysadmin | Brainsonic
- Deputy CTO | Holimetrix
- DevOps Teacher / Freelancer | IPSSI / various
- Senior DevOps | Bedrock
- Senior DevOps | Yogosha

Years: 2004, 2007, 2010, 2014, 2018, 2019, 2021

Degrees

2004	**computer science security & networks & systems** M.A. · France Paris Uni	EPITA
1998	**Bac Science** B.A. · France	

Hobbies

- Crypto
- Reading
- DIY
- Garden
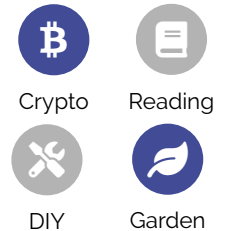
Certificates

2009	RedHat Certified Engineer

Contributions

2021	superset
2014	airflow fix and documentation

Articles

2020	headless raspberry pi
2019	android speech recognition overview

Nerd Activities

| 2024	crypto testnets and competitions (Celestia, Namada)
2023	coding blockchain projects
2021	machine learning my kid sleep with OpenCV(WIP)
2019	V2 of previous app fully local (using pocketsphinx)
2018	dev Android apps for kids with autism, working with speech recognition; and touch interfaces
2017	Crypto mining (XMR)
2015	crontrolling my home heater with a raspberry Pi (before google nest)
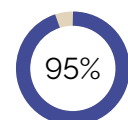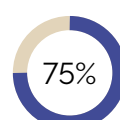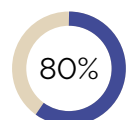
- 95% Programming
- 75% Infra-as-Code
- 100% Open Source
- 80% Security

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THIBAULT KETTERER

DevOps & Proud Geek

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EXPERIENCE - YOGOSHA

Senior DevOps

Yogosha

📅 Nov 2021 – Ongoing   ● France, ..anywhere..

Infrastructure Team at Yogosha

Yogosha is a french Bug Bounty startups with many clients around the world and a strong community.

Since 2021 I'm playing a pivotal role as a DevOps engineer at Yogosha bug bounty company, leading the transition from a complex 15-machine deployment to a simplified and more streamlined solution using Kubernetes and Helm charts.

Deployment time as streched from 6 months to 1 week due to this work.
Using widely known open source software, and focusing a lot on containerization, I ensured the isolation and security of the deployed software.

- from POC 15 host to 1 kube
- managed to deploy this solution is 6 IT big players company around the globe
- Evolving from a 6 months deployment to 1 week (k8s)

TYPICAL WEEK
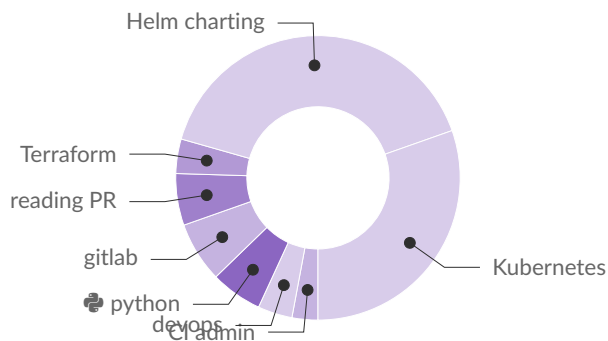
REFERENCIES

Boris Zanetti - Head of IT

@ Yogosha

✉ boris.zanetti@yogosha.com

Yogosha
Paris France **Eric Dupre - CTO**

@ Yogosha

✉ eric.dupre@yogosha.com

Yogosha
Lyon France

EXPERIENCE MODJO

"Be proactive about security"

MOST PROUD OF

robustness
the solution work very well

Persistence & Loyalty
Managed to guess what needed to be done without people asking in a very fast evolving environment.

Coworkers
Working with a pack of really skilled persons and being part of them.

Overnight migrations
In startups you have jobs for 2 of you, the 2nd you is living during the nighttime.

STRENGTHS

lots of ideas   highly skilled in kubernetes

highly skilled in infrastructure

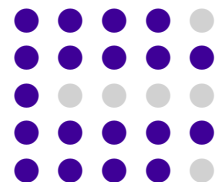Helm   Kubernetes   Migrations   Python

Security

LANGUAGES

Terraform	●	●	●	●	○
Shell	●	●	●	●	●
Golang	●	○	○	○	○
Python	●	●	●	●	●
Helm	●	●	●	●	○

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EXPERIENCE - BEDROCK

Senior DevOps
BedRock, ex M6

📅 Nov 2019 – Ongoing 　📍 France, Lyon

Data Infrastructure Team at Bedrock

Bedrock is building streaming platforms (like netflix) the most know customers are currently Salto (new french SVOD platform) and 6play(M6 TV channel)
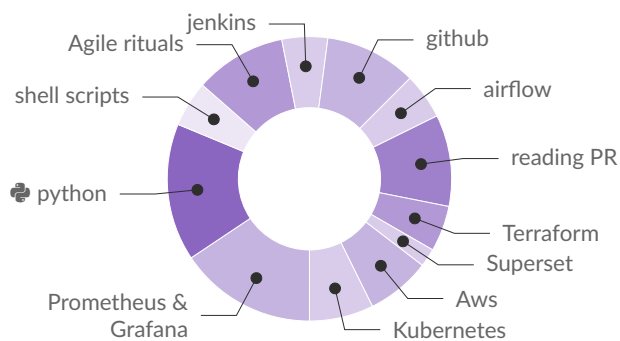
I am the Data infrastructure needed to handle SVOD data (medias and user tracking) aws + EMR for data platform airflow as a scheduler, dataviz by Superset.

We migrate from a POC to a complete EKS managed solution, scalabe and reliable, monitoring with prometheus and aws cloudwatch, did some PRs to superset.
We manage to transform and orchestrate the infrastructure to scale more and multiply it for every customer, leveraging a lot of terraform and kubernetes.

- from POC to automatic deployment
- Went from 1 to 10 customer in one year.
- Evolving from a 2 hour deployment to 2 seconds (k8s)

TYPICAL WEEK

Donut chart segments: jenkins, github, Agile rituals, airflow, shell scripts, reading PR, python, Terraform, Superset, Aws, Prometheus & Grafana, Kubernetes

REFERENCIES

Adrien Chaussende - Team technical leader
@ BedRock
✉ adrien.chaussende@bedrockstreaming.com
Bedrock Streaming
Lyon France

EXPERIENCE MODJO

"Sharing is caring, be active in the communities"

MOST PROUD OF

team player
always full of ideas to improve our work

Persistence & Loyalty
I showed despite the hard moments and my willingness to stay after the acquisition

data evolution
from a POC to a multiple customer infrastructure

handle 3 Kids
take care of my autistic and disabled kid without impacting my work

STRENGTHS

| lots of ideas | highly skilled in data |

| highly skilled in infrastructure |

| Data | Kubernetes | Migrations | POCs |

| Research & Development |

LANGUAGES

Terraform ● ● ● ● ○
Shell ● ● ● ● ●
Golang ● ○ ○ ○ ○
Python ● ● ● ● ○
Bash ● ● ● ● ●
Aws ● ● ● ● ○
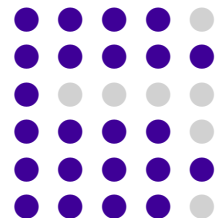
THIBAULT KETTERER - DEPUTY CTO

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EXPERIENCE - HOLIMETRIX

Holimetrix is a company focus on drive to web: measuring the rate of TV ads viewers who are converted to internet users.

deputy CTO
Holimetrix

📅 Mar 2014 - Apr 2018   📍 France, Lyon

As a deputy CTO, I took care of

- defining the data exchange strategy and details with partners
- project managment, deliverability
- designing technical solutions
- team management

Lead DevOps
Holimetrix

📅 Mar 2014 - Apr 2018   📍 France, Lyon

Our job was to Aggregate data from our web trackers to our on-premise hadoop cluster, then deliver the data to our angular portal in near real time.

- from nothing to webservers handling thousands of request per second without CDN
- created all the infrastrucutre as a code with saltstack and ansible
- monitored heavily the web servers and data streaming platform
- tested lots of technologies quickly (startup rush) GCP aws, hadoop distros
- migrate to aws, then migrate back to On Premise(to reduce costs by a 4 factor)
- built a TV advertising recognition system from scratch (image and sound recognition)

TYPICAL WEEK
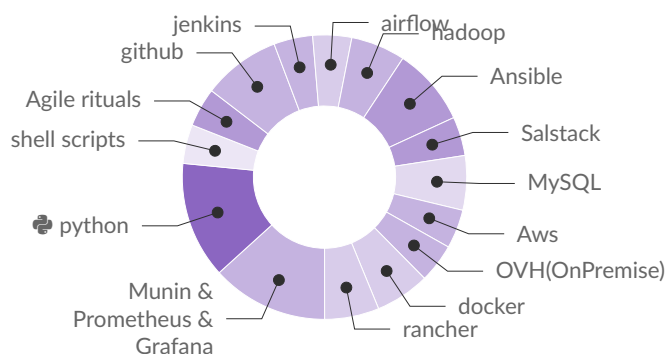
EXPERIENCE MODJO

"Startup + data + nginx rocks"

MOST PROUD OF

team player
from 3 to 18 person, adapting our ways of workings

Persistence & Loyalty
Gone through rough times with a limited team, but achieve rentability at the end

no downtime
Our tag was integrated on many big sites like Renault, VW, Jaguar, we didn't suffered any downtime in 4 years

STRENGTHS

go fast   nginx   web tracking

Startup = I can/will do anything

BIG Data   4TB MySQL   infrastructure as code

Migrations   POCs   image recognition

LANGUAGES & TECHS

Ansible	●	●	●	●	●
Saltstack	●	●	●	●	●
C	●	●	●	●	●
MySQL	●	●	●	●	●
raw PHP	●	●	●	●	●
Lua	●	●	●	○	○
Python	●	●	●	●	○
PHP symfony	●	●	○	○	○
vanilla javascript	●	●	●	○	○
Bash	●	●	●	●	●

REFEREES

Olivier - former COO

@ Holimetrix

✉ olivier.rivet@holimetrix.com

Holimetrix
Lyon France

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EXPERIENCE - BRAINSONIC - DEVOPS & SRE

Brainsonic was a company focus WebTV hosting: hosting hundreds of video websites and encoding videos (before youtube erased the market)
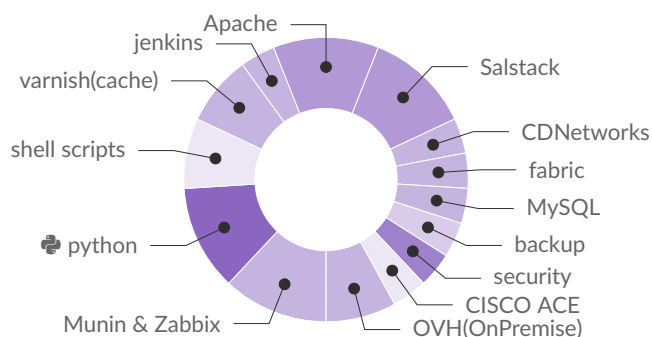
DevOps & SRE

Brainsonic - DevOps & SRE

📅 Apr 2010 - Mar 2014 📍 France, Paris, Lyon

- from 30 to 100+ web servers all automated (saltstack)
- managed the It department
- built an video encoding farm (30 hosts)
- exchanging a lot with developers to make the servers meet their needs
- automatize everything using APIs (OVH, googledoc, CDNetworks...)
- VM hosting
- Azure
- TB (back in 2012..) of videos hosting

TYPICAL WEEK

REFEREES

Laurent Piroelle - co-worker
@ Brainsonic - DevOps & SRE
✉ laurent.piroelle@gmail.com
now claranet
France

Ludovico Gardhengi - co-worker
@ Brainsonic - DevOps & SRE
✉ gardengl@gmail.com
now Google
France

EXPERIENCE MODJO

"Web servers deployment in a matter of minutes"

MOST PROUD OF

team player
working close to web developpers all the time

Persistence & Loyalty
always available when server had issues

Music
(web) Hosted a live Placebo concert in Paris

budget effective
Hosting lots of website on a budget, even some high traffic without CDN leveraging Varnish

got my first kid
Got a kid and leave Paris for Lyon

STRENGTHS

web hosting   video hosting in 2014
CDN   MySQL clusters
Streaming, live diffusion

web development   DevOps   managing issues
have a smart budget

LANGUAGES & TECHS

CISCO ● ● ● ● ○
Saltstack ● ● ● ● ●
MySQL ● ● ● ● ○
Bash ● ● ● ● ●

Varnish ● ● ● ● ○
Python ● ● ● ● ○
PHP symfony ● ● ○ ○ ○
CDN ● ● ● ● ●

THIBAULT KETTERER & SYSADMIN

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EXPERIENCE - RTE

RTE is a french Energy company, my department ws in charge and Research around electricity consumption prevision.
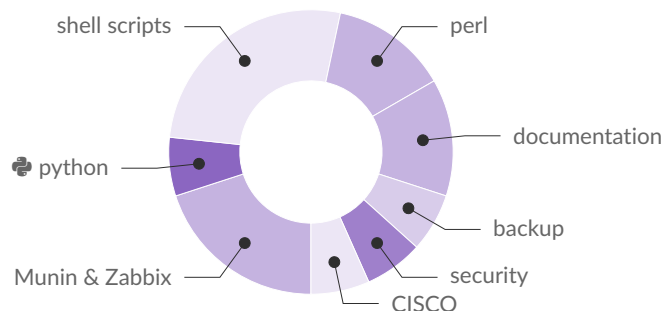
DevOps & SRE

RTE

📅 Mar 2055 - Apr 2010 📍 France, Paris

- managed computing clusters OnPremise
- multi UNIX hosting
- high speed computing development(before big data exist)
- authentication servers / file servers
- work with a team of 100 Research engineers
- VM hosting, local network, fibe channel..
- C++ and perl development

TYPICAL WEEK

REFEREES

Xavier Droniou - manager
@ RTE
✉ raviere29@gmail.com
now Orange Business, France

Vincent Lefieux - co-worker
@ RTE
✉ vincent.lefieux@rte-france.com
RTE, France

EXPERIENCE MODJO

"We can compute anything"

MOST PROUD OF

Authentication
rebuilt the authentication system, migrate from Solaris to Linux LDAP

Persistence
from developper to a team leader and main DevOp, I raised the hand and said I could do the job, and I could.

---

budget management
buying and negotiating for servers, routers, NAS...

---

young but tech ready
tech lead of 6 people older than me (I was 24)

STRENGTHS

computing

working with engineers of different fields

DevOps | managing issues | ticketing

have a BIG budget

LANGUAGES & TECHS

CISCO	●●●●○
Linux	●●●●●
Solaris	●●●●○
Squid reverse	●●●○○
Windows AD servers	●●●○○

perl	●●●●○
C++	●●●●○
bash	●●●●○