



Senior DevOps

# THIBAUT KETTERER

level 19 (years)

## Facts

### personal

Thibault Ketterer  
 nationality: French  
1980  
 France

## Skills

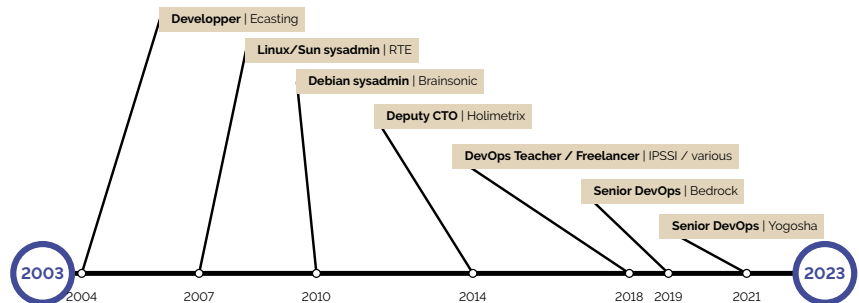
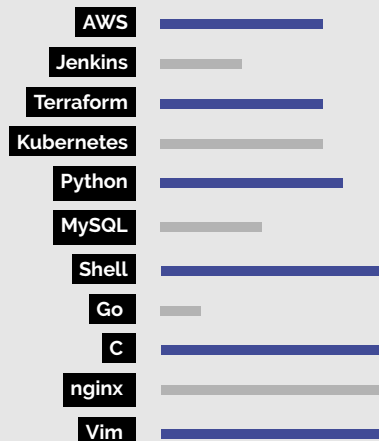
**French** | C2 mother tongue  
**English** | C1

### Interests



OS:

### IT & programming

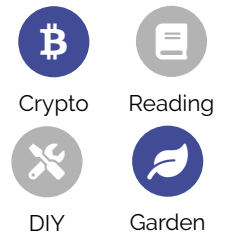


## DEGREES

2004 **computer science security & networks & systems**  
M.A. · France Paris Uni

1998 **Bac Science**  
B.A. · France

## HOBBIES



## CERTIFICATES

2009 RedHat Certified Engineer

## CONTRIBUTIONS

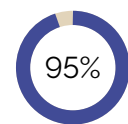
2021 superset  
2014 airflow fix and documentation

## ARTICLES

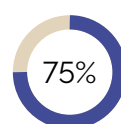
2020 headless raspberry pi  
2019 android speech recognition overview

## NERD ACTIVITIES

2023 coding blockchain projects  
2021 writing my cv in LaTeX  
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 controlling my home heater with a raspberry Pi (before google nest)



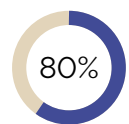
Programming



Infra-as-Code



Open Source



Security

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 +33664196240 thekit@gmail.com

# THIBAUT KETTERER

## DevOps & Proud Geek

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Lyon, France

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@KettererThib

thibaultk

github.com/thibault-ketterer



## EXPERIENCE

### Senior DevOps

#### BedRock

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)

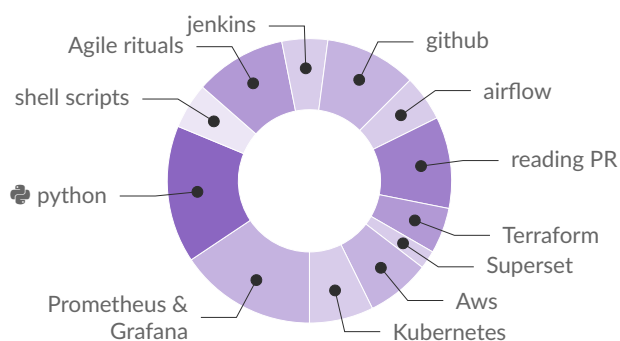
I am the Data infrastructure needed to handle SVOD data (medias and user tracking) aws + EMR for data platform airflow as a scheduler, dataviz by Superset.

We migrate from a POC to a complete EKS managed solution, scalable 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



## REFERENCES

### 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

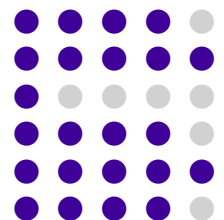
Shell

Golang

Python

Bash

Aws



# THIBAUT KETTERER - DEPUTY CTO

## DevOps & Proud Geek

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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 management, deliverability
- designing technical solutions
- team management

### Lead DevOps

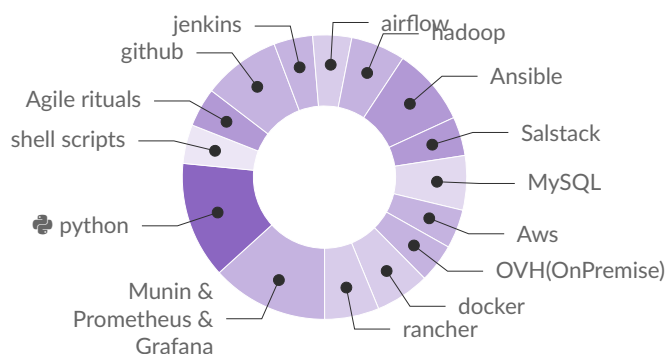
#### Holimetrix

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 webserver handling thousands of request per second without CDN
- created all the infrastructure 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

Technology	Proficiency Level (1-5)
Ansible	5
Saltstack	5
C	5
MySQL	5
raw PHP	5
Lua	4
Python	5
PHP symfony	4
vanilla javascript	4
Bash	5

## 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)

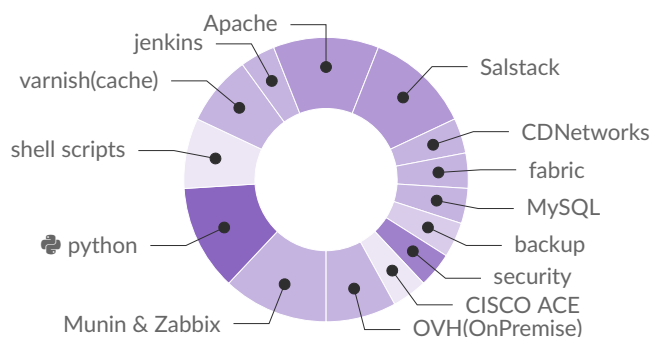
### DevOps & SRE

#### 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

● ● ● ● ●

# THIBAUT 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.

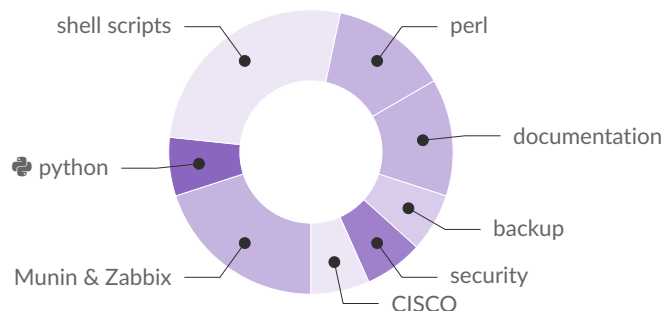
### DevOps & SRE

#### RTE

Mar 2005 - 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, fibre 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**  
rebuild the authentication system, migrate from Solaris to Linux LDAP

**Persistence**  
from developer 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...

**i 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	● ● ● ● ●