



Mr

THIBAUT KETTERER

Senior DevOps

Facts

personal

Thibault Ketterer
nationality: French
1980
France

Skills

French | C2
English | C1

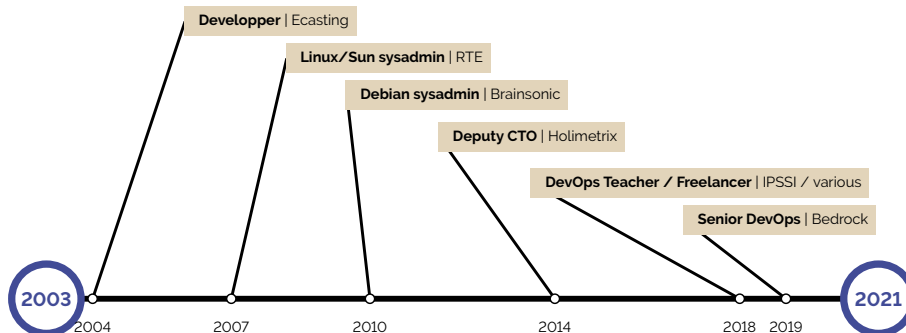
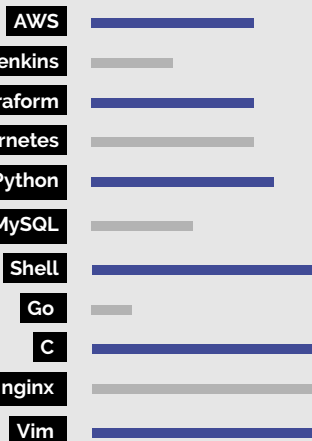
mother tongue
● ● ● ● ●

Interests



OS:

IT & programming

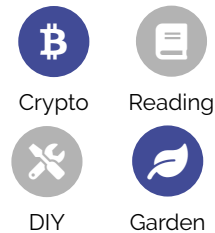


DEGREES

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

1998 **Bac Science**
B.A. · France

HOBBIES



CERTIFICATES

2009 RedHat Certified Engineer

CONTRIBUTIONS

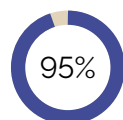
2021 superset
2014 airflow fix and documentation

ARTICLES

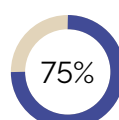
2020 headless raspberry pi
2019 android speech recognition overview

NERD ACTIVITIES

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)



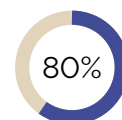
Programming



Infra-as-Code



Open Source



Security

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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)

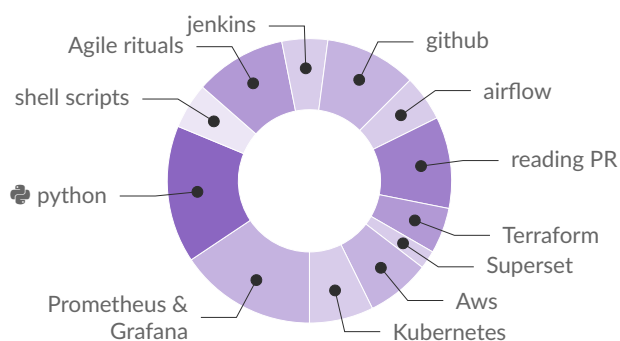
I am the Data infrastructure needed to handle SVOD data (medias and user tracking) aws + EMR for data platform airflow as a scheduler, dataviz by Superset.

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



REFEREES

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 with Yahoo 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

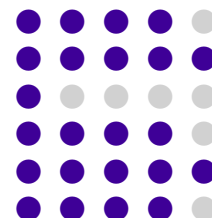
Shell

Golang

Python

Bash

Aws



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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

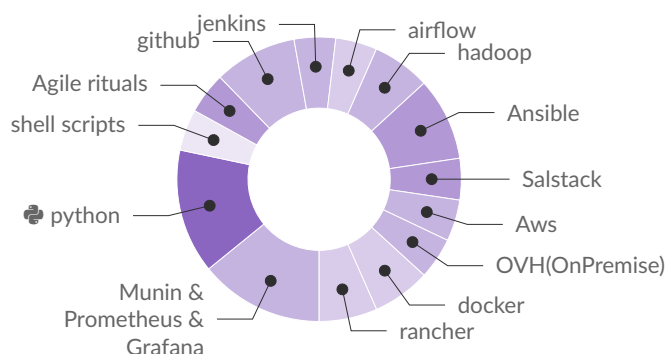
Mar 2014 - Apr 2018

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 web servers 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 tracker tag was integrated on many french bit sites like orange, Renault, VW, Jaguar, we didn't suffered any downtime in 4 years.



handle 3 Kids

take care of my autistic and disabled kid without impacting my work

STRENGTHS

go fast

nginx

web tracking

Startup = I can/will do anything

BIG Data

infrastructure as code

Migrations

POCs

Research & Development

LANGUAGES

Ansible



Saltstack



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

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

DevOps & SRE

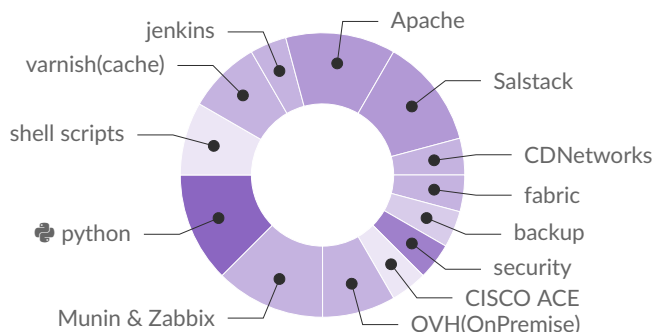
Brainsonic

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

laurent.piroelle@gmail.com

now claranet
France

Ludovico Gardhengi - co-worker

@ Brainsonic

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 the 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

Streaming, live diffusion

web development

DevOps

managing issues

have a smart budget

LANGUAGES & TECHS

CISCO



Saltstack



MySQL



Bash



Varnish



Python



PHP symfony



CDN



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EXPERIENCE - RTE

RTE is a french Energy company, my department was in charge and Research around electricity consumption prevision.

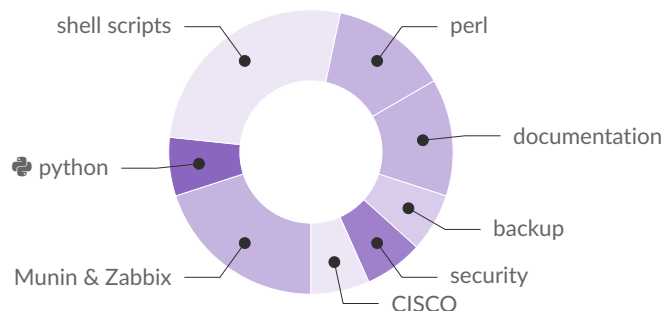
DevOps & SRE

RTE

Mar 2010 - 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 different fileds engineer:

Streaming, live diffusion

DevOps managing issues ticketing

have a BIG budget

LANGUAGES & TECHS

CISCO	●	●	●	●	●
Linux	●	●	●	●	●
Solaris	●	●	●	●	●
Windows AD servers	●	●	●	●	●
perl	●	●	●	●	●
C++	●	●	●	●	●
bash	●	●	●	●	●