Senior DevOps

THIBAULT KETTERER

level 17 (years)

Facts

personal

- Thibault Ketterer
- nationality: French
- 1980
- France

Skills
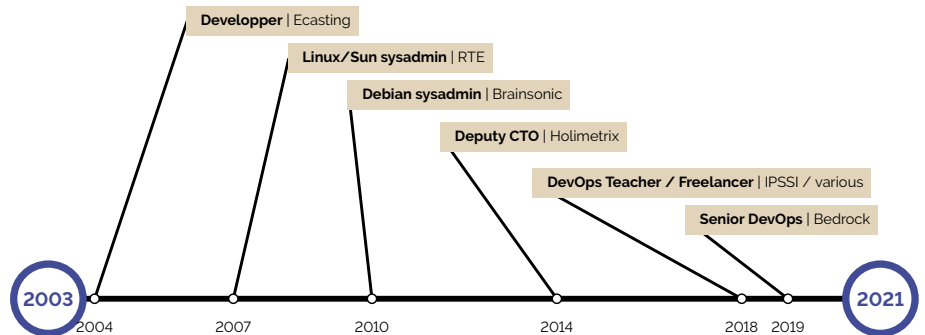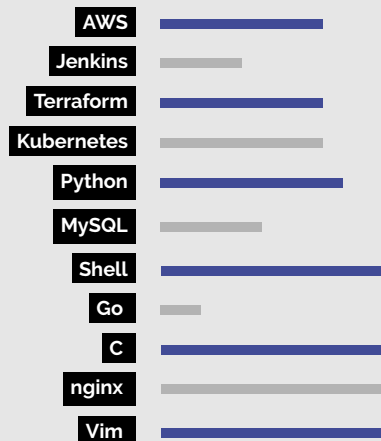
French	C2	mother tongue
English	C1	● ● ● ● ○

Interests

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

OS: 🍎 🐧

IT & programming

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

Developper | Ecasting
Linux/Sun sysadmin | RTE
Debian sysadmin | Brainsonic
Deputy CTO | Holimetrix
DevOps Teacher / Freelancer | IPSSI / various
Senior DevOps | Bedrock

2003 — 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
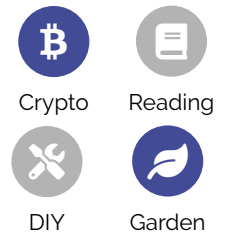
CERTIFICATES

2009	RedHat Certified Engineer

CONTRIBUTIONS

2021	superset
2014	airflow fix and documentation

ARTICLES

2020	headless raspberry pi
2019	android speech recognition overview

NERD ACTIVITIES

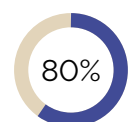| 2021	writing my cv in LaTeX
2021	machine learning my kid sleep with OpenCV(WIP)
2019	V2 of previous app fully local (using pocketsphinx)
2018	dev Android apps for kids with autism, working with speech recognition; and touch interfaces
2017	Crypto mining (XMR)
2015	crontrolling my home heater with a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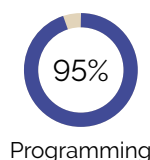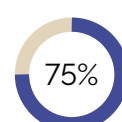
95% Programming
75% Infra-as-Code
100% Open Source
80% Security

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DevOps & Proud Geek

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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, 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
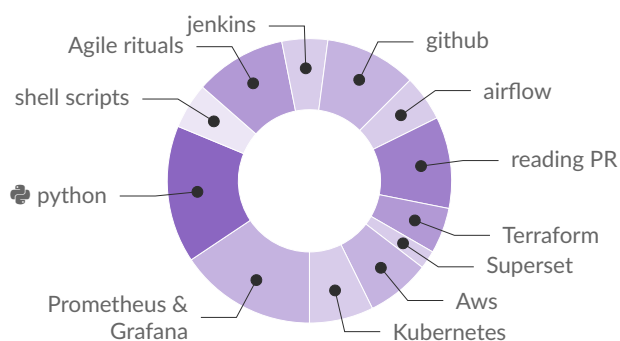
REFEREES

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
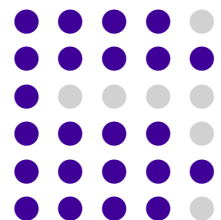
Terraform	●	●	●	●	○
Shell	●	●	●	●	●
Golang	●	○	○	○	○
Python	●	●	●	●	○
Bash	●	●	●	●	●
Aws	●	●	●	●	○

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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 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
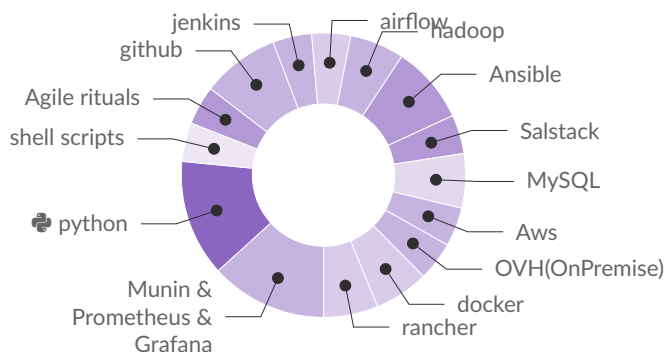
EXPERIENCE MODJO

"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

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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
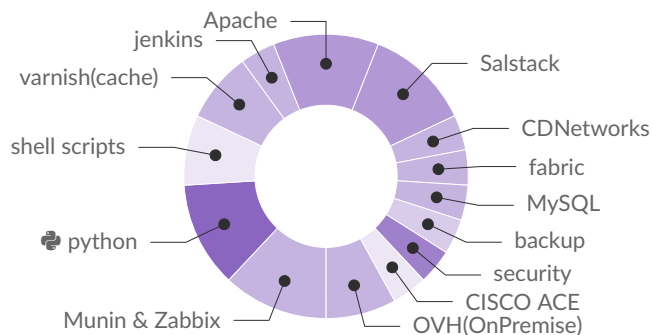
REFEREES

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 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 ●●●●●

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EXPERIENCE - RTE

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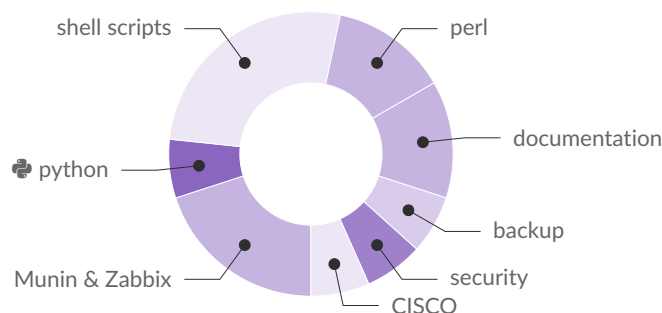
DevOps & SRE

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

shell scripts · perl · documentation · backup · security · CISCO · Munin & Zabbix · python

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	●●●●○