

## Address

Toulouse, France

## Contact

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## About me

year of birth : 1982

married, 4 childrens

## Technologies

python ★★★★★  
docker ★★★★★  
shell ★★★★★  
CI/CD ★★★★★  
rpm ★★★★★  
fabric ★★★★★  
jinja2 ★★★★★  
ansible ★★★★★  
django ★★★★★  
webhooks ★★★★★  
autobahn ★★★★★  
crosbar.io ★★★★★  
nginx ★★★★★  
html ★★★★★  
openstack ★★★★★  
lxc/lxd ★★★★★  
swarm ★★★★★  
wamp ★★★★★  
tripleO ★★★★★  
kvm ★★★★★  
php ★★★★★  
java ★★★★★  
c/c++ ★★★★★  
latex ★★★★★  
rancher ★★★★★  
kubernetes ★★★★★  
javascript ★★★★★

## Architectures

restful ★★★★★  
services ★★★★★  
ntiers ★★★★★  
soap ★★★★★

## Methodologies

Agile ★★★★★  
DevOps ★★★★★  
Lean ★★★★★  
Kanban ★★★★★

# Hervé Beraud

DevOps architect

## Personal Philosophy

Time is a store of value much higher than any precious currency or material. Throughout our lives time acquires with money, we buy time. My job as DevOps is to automate and industrialize processes, so generate time for team and therefore value.

## Education

- 2010 - now **Engineer Degree in Computer Science** [CNAM Aix en Provence, France](#)  
Curriculum information systems.  
Main subjects: Systems & Software Architecture and Security, Urbanism for Evolving Systems.
- 2009 - 2010 **BTEC Higher National Diploma in Software Development** [AFPA Istres, France](#)  
Main subjects: Software Architecture, Modeling Tools (Merise, UML).
- 1999 - 2001 **BTEC National Diploma in Landscape Architect** [Lycée Fontlongue Miramas, France](#)  
Agricultural college.  
Main subjects: Design Public Landscape.
- 1997 - 1999 **BTEC First Diploma in Nursery Gardener** [Lycée Fontlongue Miramas, France](#)  
Agricultural college.  
Main subjects: Cultivating, Harvesting, Transplanting Trees, Shrubs or Plants.

## Awards

- 2016 **Winner of squad incubator contest** [French annual IT innovation contest](#)  
*Design a DevOps solution for automatizing security scanning on web apps CI/CD workflow and project lifecycle*

## Contributions to open source projects

- automation **Red Hat - ansible** [community contributor](#)  
*bugfix, code cleaning, implementing tests*
- api **OVH - official python API** [community contributor](#)  
*apply python best practices*
- time series **Elastic Search - curator** [community contributor](#)  
*improve packaging*
- network **Github - octodns (official github project)** [community contributor](#)  
*upgrading python packaging method*
- system **Alpine Linux - aports** [community contributor](#)  
*package maintaining, proposal new testing packages*
- monitoring **Bleemeeo - bleemeeo-agent** [community contributor](#)  
*upgrading python packaging method*

## Systems

fedora ★★★★★  
archlinux ★★★★★  
debian ★★★★★  
ubuntu ★★★★★  
alpine ★★★★★  
rhel ★★★★★  
ifs ★★★★★  
kali ★★★★★  
bsd ★★★★★  
windows ★★★★★  
minix ★★★★★

## Networks

ssh ★★★★★  
http ★★★★★  
tcp/udp ★★★★★  
xmpp ★★★★★  
osi ★★★★★  
sdn ★★★★★

## Databases

sqlite ★★★★★  
postgresql ★★★★★  
mysql ★★★★★  
mariadb ★★★★★  
oracle ★★★★★

## Tools

git ★★★★★  
svn ★★★★★  
jenkins ★★★★★  
vim ★★★★★  
gitlab ★★★★★  
github ★★★★★  
travis-ci ★★★★★  
semaphore ★★★★★

## Security

chroot ★★★★★  
selinux ★★★★★  
nmap ★★★★★  
owasp ★★★★★  
iptables ★★★★★  
fail2ban ★★★★★  
metasploit ★★★★★  
fuzzing ★★★★★  
iso27001 ★★★★★

## Languages

French ★★★★★  
English ★★★★★

## Experience

- 03-17 - Now **Lead cloud DevOps architect** [Squad / Orange OINIS ITE, Toulouse, France](#)  
Architect, design, and deliver technical solutions for automatizing deployment of openstack tripleO platform. Design Ansible based products, continuous deployment system and infrastructure automation strategy.
- 09-16 - 03-17 **DevOps architect and Python lead developer** [Squad / CNES, Toulouse, France](#)  
Architect, design, develop and deliver european space program ISIS guidance system. Manage project workflow.
- 05-16 - Now **DevOps Technical Leader** [Squad \(internal\), Toulouse, France](#)  
Team Technical management, manage DevOps community, animate technical events, create design and setup the squad official software forge. Apply security enhancements and best practices.
- 04-14 - 04-16 **DevOps architect** [BULL / EDF, Toulouse, France](#)  
Design and develop algorithms, solutions for call center and workload management system. Design and develop multi-channel agent desktop. Create and develop Python/Django webapps for generating, deploye, and maintaince version for C# project (automatized CI/CD).
- 09-13 - 03-14 **Embedded Software Engineer** [BULL / French Navy, Aix en Provence, France](#)  
Design continuous integration, design system architecture , AIX5.3 and Unix software.
- 02-13 - 09-13 **Software Engineer** [BULL / DCNS, Toulon, France](#)  
Design and develop electronic warfare system on the FREMM frigate project.
- 06-11 - 01-13 **Frontend / Backend Web Developer** [BULL / Virtual-expo, Marseille, France](#)  
Design and development of a world expert online exhibitions website on Linux/Apache/PHP/Zend platform. Design, development of a Python web crawler.
- 04-11 - 06-11 **System Administrator / Backend Developer** [Distribmag, Arles, France](#)  
Maintain data center environmental and monitoring equipment (IBM AS400). Virtualize physical server. PHP Development of stock management software.
- 10-10 - 03-11 **Frontend Web / Backend Developer** [PlusValue SAS, Vitrolles, France](#)  
Management and migration of servers. Development of php web micro-framework. Development of web templates and interfaces. Management of SQL databases.
- 12-04 - 01-09 **Buisness Owner** [Damofli Fruits & Legumes, France](#)  
Manage marketing operations, accounting, sales plans, inventory management.
- 09-01 - 11-04 **Landscape Architect** [Local Council of Martigues, France](#)  
Manage marketing operations, accounting, sales plans, inventory management.

## Character

Passionate  
Self-educated  
Autonomous  
Curious  
Pragmatic

## Personal Skills



## Social (click)

personal website  
github: 4383  
dockerhub: 4383  
pypi: 4383  
twitter: 4383hberaud

## Hobbies

family  
computers  
electronic  
sport  
psychology  
traveling

## Personal projects

2018	<b>Niet - Parse yaml/json file from shell (click to see)</b> <i>python, git, pbr, github, pypi, vim</i>	<a href="#">Personal project</a>
2017	<b>Cerber - seccomp docker profil generator (click to see)</b> <i>python, git, pbr, github, pypi, vim, syscalls, docker</i>	<a href="#">Personal project</a>
2017	<b>KVManage - automatized kvm deployment (click to see)</b> <i>ansible, ubuntu, vim, github, kvm, git</i>	<a href="#">Community project</a>
2017	<b>Apkbuild - build environment for apk (click to see)</b> <i>docker, docker hub, vim, github, alpine linux, alpine sdk, git</i>	<a href="#">Personal project</a>
2016	<b>Machine - development environment (click to see)</b> <i>docker, docker hub, ubuntu, vim, git</i>	<a href="#">Personal project</a>
2016	<b>Botanick - web application for collect emails (click to see)</b> <i>docker, python, flask, git, github, travis-ci, docker hub, git</i>	<a href="#">Personal project</a>
2016	<b>Port Knocking Sequence Discovery Scanner (click to see)</b> <i>docker, python, git, github, docker hub, git</i>	<a href="#">Personal project</a>
2016	<b>Mhackgyver official repository (click to see)</b> <i>Create and maintain tools for mhackgyver pentest team, git</i>	<a href="#">Community project</a>
2016	<b>Discosub Dockerized Security Scanner (click to see)</b> <i>docker, python, docker hub, travis-ci, pypi, github, git, tor, ubuntu</i>	<a href="#">Personal project</a>
2016	<b>Nmap Dockerized Security Scanner (click to see)</b> <i>docker, docker hub, github, git, nmap, tor, ubuntu</i>	<a href="#">Personal project</a>
2016	<b>Director Dockerized Security Scanner (click to see)</b> <i>docker, docker hub, github, git, dirb, tor, ubuntu</i>	<a href="#">Personal project</a>
2016	<b>Dockerized IRC server (click to see)</b> <i>docker, docker hub, github, git, ircd-irc2, ubuntu</i>	<a href="#">Personal project</a>
2015	<b>Barcode Generator (click to see)</b> <i>python 3, svg, git</i>	<a href="#">Personal project</a>
2013	<b>Security Best Practices Automatic Setup (click to see)</b> <i>python, iptables, debian 6, port-knocking, fail2ban, postgresql, nginx</i>	<a href="#">Personal project</a>
2012	<b>Battle-Story Video Game (click to see)</b> <i>python, pygame, git, github, vim</i>	<a href="#">Personal project</a>

More projects at <https://github.com/4383>

## Memberships

community	<b>Tetalab (click to see)</b> <i>Design, share, learn</i>	<a href="#">Toulouse hacker space</a>
community	<b>Python software foundation (click to see)</b> <i>Support local Python user group, regional workshop, encouraging usages</i>	<a href="#">World wide community</a>
core	<b>Mhackgyver pentest team (click to see)</b> <i>World wide security contests, local events, ctf, share, learn, develop</i>	<a href="#">French pentest team</a>

Latest update - March, 2018