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About me

year of birth : 1982

married, 4 childrens

Hervé Beraud

Python Software Engineer/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.

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

Technologies

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

Contributions to open source projects

automation	Red Hat - ansible <i>bugfix, code cleaning, implementing tests</i>	community contributor
api	OVH - official python API <i>apply python best practices</i>	community contributor
time series	Elastic Search - curator <i>improve packaging</i>	community contributor
network	Github - octodns (official github project) <i>upgrading python packaging method</i>	community contributor
system	Alpine Linux - aports <i>package maintaining, proposal new testing packages</i>	community contributor
monitoring	Bleemeeo - bleemeeo-agent <i>upgrading python packaging method</i>	community contributor
versioning	Git - git <i>introduce python best practices</i>	community contributor
tooling	Julien Danjou - Git Pull Request <i>implementing new features</i>	community contributor
framework	Django webpack loader <i>introduce python best practices</i>	community contributor
testing	Pyroma <i>implementing new features</i>	community contributor

Memberships

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

Architectures

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

Methodologies

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

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 django webapp for manage openstack configuration, design CI/CD 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 projects

Personal Skills



Social (click)

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

Hobbies

family
computers
electronic
sport
psychology
traveling
mathematics
artificial intelligence
physic
philosophy

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

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

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.

Latest update - March, 2018