

Balthazar ROUBEROL - 25 years old - French

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Passionate devops with strong social skills

I have fierce **self-learning and communication skills**, and I am a heavy user and promoter of free software.

I enjoy designing and working on **distributed systems**. My favorite language is **Python**, but I enjoy using other languages as well, such as Go and Rust, that I'm currently learning.

I have a strong grasp of what's behind the scene of a distributed application: from development, testing, monitoring, load balancing, automatic deployment, server administration, emergency intervention, post-mortems and customer-facing communication. I try to be as polyvalent as possible.

I'm deeply influenced by the **Site Reliability Engineering** book, by Google, as I do my best to build resilient and autonomous system.

Skills

- Clear communication in French, English, and Spanish
- Programming languages: **Python, shell**, Rust, Go
- Distributed environments: **Mesos, Celery, redis, ØMQ**, RabbitMQ, REST API design
- Containerization: **Docker, Marathon, LXC**
- Web frameworks: **Flask**, Bottle, Django
- Web servers/load balancer: **nginx**, HAProxy
- Databases: **PostgreSQL, MongoDB**, MySQL
- Monitoring: **Prometheus**, Grafana, Statsd, Graphite, Shinken
- Continuous integration and deployment: **Ansible**, Puppet, Jenkins, Fabric
- GNU/Linux

Experience

- **Tech lead / devops at OVH** *Lyon, January 2016, Current*
Design, development and industrialisation of a managed
 - Docker as a Service platform running on multiple Mesos clusters, used for internal production services and external customers
 - Docker registry platform
 - Mesos as a Service platform, targeting both internal teams and customersOther missions included giving, on-call interventions, technical support for internal teams, public speaking, technical writing and training.
Docker, Mesos, Marathon, Prometheus, Chronos, OpenStack, Kafka, Flask, Celery, Ansible, Puppet, HAProxy
- **Devops at OVH** *Lyon, August 2015 - January 2016*
Contribution to Sailabove, a PaaS for dockerized applications, running client-submitted applications and OVH production webservices.
Ansible, LXC, Docker, OpenStack, Celery, ØMQ

- **Independant contractor at Mapado** *Lyon, July 2015*
Python re-implementation of the SimpleNLG-EN/Fr java library, which enables bilingual text surface realization in English and French.
py.test, TravisCI
- **Independant contractor at Askin** *Lyon, February - June 2015*
Re-implementation of a large, monolithic Django application exposing complex advertisement data into a distributed application and services, leading to large performance improvements.
Django, Celery, Ansible
- **Independant contractor at Metallapan** *Edinburgh, October 2014 - January 2015*
Implementation of a Celery distributed system handling thousands of advance notices applications per day, integrating numerous micro services.
Celery, Flask, AngularJS, mongoDB, gunicorn
- **Software engineer at Mapado** *Lyon, November 2012 - October 2014*
Implementation of an automatic datamining/text-mining pipeline aggregating and merging data from various sources (API dumps, Facebook, database dumps, crawled webpages, DBPedia...) into an informative event description. The pipeline processes tens of thousands of documents every day, using internal web-services and distributed worker queues.
Python, scikit-learn, Scrapy, Flask, uWSGI, Celery, ElasticSearch, mongoDB, nginx
- **Software developer at Kozea** *Lyon, October - November 2012*
Development of Pynuts, a document/database oriented Flask extension simplifying the implementation of the generic views of a web application.
Flask, SQLAlchemy
- **Independant worker at Tiny Ears** *Home based, June 2012*
Voice recognition research. Adapting and training of a PocketSphinx acoustic model using pre-recorded data, in order to enhance recognition performance on female voices.
CMU Sphinx, PocketSphinx
- **Intern at Strongsteam** *Home based, February - July 2012*
Development of a data-mining and A.I. cloud-based API to extract information out of images, video, audio and text files : REST API development, OCR research.
Flask, ElasticSearch, Tesseract

Education

- 2012: Foreign student exchange at Montevideo University, Uruguay
- 2007-2012: Bio-computing and modeling master degree at INSA de Lyon, France
- 2007: Scientific high school degree with honours, engineering science option

Personal involvement

- Regular technical speaker (AfpYRO, PyConFR) and Open Source contributor
- Member of **PyConFR 2014**, **Fhactory 2015** and **Django Carrots 2015** organising teams
- Member of the AFPY association
- Passionate cook
- Regular donor to Wikipedia, Mozilla, Doctors Without Borders, La Quadrature du Net