



# Anthony Monthe Cloud Researcher

*A hacker, Pythoner, computer whisperer, Djangonaut, Computer scientist, Cloud pratician, Dev[Ops], Shell bilingual, Free software lover, Regular expressionist, tortured by JS, AZERTY pianist and Web creator.*

+351 935 958 249

Portugal

[anthony.monthe@gmail.com](mailto:anthony.monthe@gmail.com)

[anthony-monthe.me](http://anthony-monthe.me)

**Skype:** montheanthony

**stackoverflow:** [1454176](https://stackoverflow.com/users/1454176/anthony-monthe)

**GitHub:** [ZuluPro](https://github.com/ZuluPro)

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## Skills

### Cloud computing

Public cloud, Libcloud, AWS, Google Cloud, Google App Engine, Azure, Openstack, Runabove, Cloudstack, Orange Cloud Business, Outscale, Rackspace, Ikoula, Gandi, Numergy, IBM Softlayer, Joyent, Digital Ocean, Aruba IT, Heroku, CloudSigma, 1&1, Cloudwatt, CenturyLink, Alibaba Cloud, Dimension Data,

### Data science

Hadoop, NumPy, pandas, scikit-learn, OpenCV, Dask, Spark, TensorFlow, Keras,

### Database and cache

Redis, Memcached, MySQL, MariaDB, Percona, PostgreSQL, MongoDB,

### Deployment

Docker, Fabric, Ansible, Puppet, Vagrant, OpenVZ,

### Development

Python, Celery, AWK, Jinja, Sphinx, Scapy, ReportLab, Git, SQLAlchemy,

### Frontend development

CSS3, HTML5, Javascript, Bootstrap, Pure, Modernizr, jQuery, Highcharts, D3.js, Select2, Angular,

### Network administration

TCP/IP, Cisco, iptables, OpenVPN,

### Supervision and benchmark

Nagios, Cacti, Numeter, SNMP, NRPE, sysbench, FIO, SPEC CPU2006, vdbench, HiBench, SPEC CPU2017, Geekbench 3, Geekbench 4, IPerf3,

### System administration

Linux, Shell, Debian, Ubuntu, Red Hat, CoreOS, OS X, Apache, Nginx, HAProxy, uWSGI, Gunicorn, RabbitMQ, Squid, Postfix, Zimbra, Centreon, OpenLDAP, GLPI, Samba, NFS, ProFTPd,

### Test and continious integration

nose, Coverage, Twine, GitLab, Gitolite, Jenkins, CircleCI, Travis CI, Coveralls, Sauce Labs, tox, Selenium, Snap-Cl, Semaphore, Codeship, Solano CI, Shippable, wercker, Magnum-CI, Codecov, Code Climate, Landscape, Codacy, Gemnasium, requires.io, AppVeyor, Drone.IO,

### Web development

Django, Django REST framework, Tastypie, Flask, Zinnia, Varnish, NodeJS, PhantomJS, Wordpress, Mediawiki, Semantic, Django Channels, Drupal,

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## Projects

### **Libcloud** January 2014

- Added Cloudwatt Driver
- Added RunAbove Driver
- Added OVH Driver
- Added Gandi compute features
- Maintain tests and CI
- Maintain AWS instance types and regions
- Many small improvements on various drivers

<https://github.com/apache/libcloud>

### **ao** May 2017

Project owner

<https://github.com/ZuluPro/ao>

### **Django-DBbaackup** January 2015

- Working as developer/administrator,
- Made agnostic dump/restore system
  - Adapted to Django's Storage API
  - Increased code coverage from 0 to 95%
  - Added functional tests with all default DB engines
  - Implement Travis CI to test most versions of Python/Django

<https://github.com/django-dbbbackup/django-dbbbackup>

### **Moto** September 2015

- Added API endpoints
- Added documentation

<https://github.com/spulec/moto>

### **Django Storages** April 2015

- Added DropBox driver  
Improved FTP & SFTP drivers  
Update documentation  
Added unit tests

<https://github.com/jschneier/django-storages>

### **Flickr Pony** April 2016

Project creator and owner

<https://github.com/ZuluPro/flickr-pony>

### **django-requests** April 2016

- Increase test coverage from 15 to 95%
- Add FR translation

<https://github.com/kylef/django-request>

### **Pony-Traffic** May 2016

- Project maintainer:  
Implement SEO notions: Visitor, recency, etc  
Added Geolocalisation  
Added tracking

<https://github.com/ZuluPro/pony-traffic>

### **Django-Super-Favicon** April 2016

Project administrator and maintainer

<https://github.com/ZuluPro/django-super-favicon>

### **Pony Admin** June 2016

- Project author:
- Made Admin hack for handle every listing
  - Created code for storage, cloud administration and more

<https://github.com/ZuluPro/pony-admin>

### **Askbot** August 2016

- PEP8-ize code
- Unit test and CI
- Bugfixes and improvements
- French translation

<https://github.com/ASKBOT/askbot-devel>

### **web-rich-object** November 2016

Project creator

<https://github.com/ZuluPro/web-rich-object>

### **django-web-rich-object** November 2016

Project creator

<https://github.com/ZuluPro/django-web-rich-object>

**newsboard** December 2016

Project creator

<https://github.com/ZuluPro/newsboard>

**OCT** January 2017

Make core more flexible with:

- Customization of each parts
- Operation limits
- Environment data handling

<https://github.com/TheGhouls/oct>

**django-import-export** December 2017

Class based views

<https://github.com/django-import-export/django-import-export>

**django-torrent** October 2017

- Pypi integration
- Django app integration
- Added unit test
- Added admin interface

<https://github.com/tkanemoto/django-torrent>

**django-tables2** January 2018

Added Table Factory

<https://github.com/jieter/django-tables2>

**faker** February 2018

Improved several providers

<https://github.com/joke2k/faker>

**django-pivot2** December 2018

Project creator

<https://github.com/cloudspectatordevelopment/django-pivot>

**django-dbcron** January 2019

Project author

<https://github.com/cloudspectatordevelopment/django-dbcron>

**Floating Point Benchmark** October 2019

Author

<https://github.com/cloudspectatordevelopment/python-fpb>

**Numeter** June 2013 to February 2014

- Replaced PHPCake WebUI with a Django one
- Created full mock backend for ease development
- Added agnostic charts API

<https://github.com/redhat-cip/numeter>

**django-images** March 2016

Unit tests and CI

<https://github.com/mirumee/django-images>

**Django Scheduler** June 2016

Improved global and French translation. Made a better admin usage.

<https://github.com/ZuluPro/django-scheduler>

**django-admin-cli** June 2015

Project owner

<https://github.com/ZuluPro/django-admin-cli>

**django-contacts** August 2016

As official maintainer:

PEP8-ize

Added tests and runner

Django >= 1.8 fixes

Python 3 compatibility

<https://github.com/myles/django-contacts>

**sphinx-django-command** July 2016

Project author

<https://github.com/ZuluPro/sphinx-django-command>

**clc-python-sdk** November 2017

Python 3 support

<https://github.com/CenturyLinkCloud/clc-python-sdk>

**Duolingo** January 2016

<https://github.com/KartikTalwar/Duolingo>

**softlayer-python** December 2017

<https://github.com/softlayer/softlayer-python>

Added retry system

**faker-cloud** February 2018  
Project owner

<https://github.com/ZuluPro/faker-cloud>

**Pony UnitField** March 2018  
Project creator

<https://github.com/ZuluPro/pony-unitfield>

**django-tellme** May 2018  
Added unit tests  
Added CI  
Maintenance

<https://github.com/ludrao/django-tellme>

**django-money** April 2018  
Added test factories

<https://github.com/django-money/django-money>

**tellme-trello** June 2018  
Creator

<https://gitlab.com/ZuluPro/tellme-trello>

**django-pandas** January 2019  
- Small fixes  
- Django LTS compatibility

<https://github.com/chrisdev/django-pandas>

**pycurlb** February 2019  
Project author

<https://github.com/cloudspectatordevelopment/pycurlb>

**python-digitalocean** January 2019  
Added requests.Session support

<https://github.com/koalalorenzo/python-digitalocean>

**graphene-django-extras** October 2018  
Improve performances  
Improve modularity

<https://github.com/eamigo86/graphene-django-extras>

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## Experiences

**Founder at Cloud Mercato** February 2020

**CTO at Cloud Spectator** April 2019 to February 2020

**Principal Engineer at Cloud Spectator** May 2017 to February 2019

Design, creation and implementation of Cloud Transparency Platform.

**Technical environment:** Public cloud, Data, Numpy, Pandas, Private cloud, Ubuntu, Debian, Red Hat, CentOS, Fedora, CoreOS, Benchmark, Celery, Ansible, GitHub, Big data, Hadoop, Channels, Graphene, GraphQL

**Python Developer at Gandi** January 2016 to May 2016

Developing API for IaaS infrastructure

**Technical environment:** Python, Pyramid, Cloud, Colander, Jenkins, Docker

**Full-Stack Developer at Eau de Web** September 2016 to January 2017

- Improved docker-compose stacks
- Front-end enhancement
- NodeJS backend developer

**Technical environment:** docker rancher nodejs redmine elasticsearch graylog

**Lead Developer UX at Outscale** July 2015 to October 2015

In charge of all web projects:  
Cloud Web dashboard maintenance  
Principal reviewer and best practices evangelist  
Unit tests and continuous integrator

**Technical environment:** Python, Django, Javascript, CentOS, Boto, Docker, Jenkins

### Full-Stack Developer at CloudScreener.com December 2013 to May 2015

Create and implement framework for benchmark cloud providers  
Design WebUI for analyze and compare cloud's performances  
Alpha/Beta tests and troubleshooting for private/public clouds  
Create a cloud broker dealing with more than 15 providers  
Develop an object storage benchmark framework

**Technical environment:** OpenStack, Cloud public, Ubuntu, Debian, Red Hat, CentOS, Fedora, CoreOS, Benchmark, Celery, Ansible, Docker, GitHub, Travis-CI

### DevOps at eNovance from Red Hat February 2013 to July 2015

Linux and network administration:  
Level 2/3 support with on-call  
Installation, maintenance and evolution of customers' platform  
AWS, Google Cloud Platform and OpenStack administration  
Development:  
Replace Numeter's CakePHP WebUI by a Django one  
Create DevOps tools for ease customers' workload

**Technical environment:** OpenVZ, KVM, LXC, Debian, Ubuntu, Red Hat, Puppet, Ansible, OpenStack, AWS, Python, Django, Nginx, Apache, PHP-FPM, Docker, MariaDB

### GNU/Linux Trainer at AJC Formation December 2012 to January 2013

GNU administration commands and stream handling  
Installation and administration of MySQL  
Bash scripting  
Miscellaneous administrator tools (screen, vim, etc)

**Technical environment:** Linux, Ubuntu, Shell, MySQL

### System analyst at Autolib' September 2011 to October 2012

Linux and network administration:  
Level 1/2 support with Linux/Windows platform  
Writing installation and operations documentation  
Development:  
WebUI interfacing Nagios and GLPI  
Writing Nagios/NRPE/SNMP tests

**Technical environment:** Debian, Nagios, Nginx, Python, Django. GLPI, Windows Server 2008, uWSGI, Heartbeat

### System and network Administrator at Security Keepers January 2011 to September 2011

Datacenter operator:  
Bare metals and network streams daily check  
Maintenance of current networks  
Assembly machine under Debian/OpenBSD  
System administration:  
Maintenance of Unix/Linux services  
International support

**Technical environment:** Debian, OpenBSD, OpenVPN, iptables, OpenWRT

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## Training

## **Bachelor in Computer sciences** February 2013

Object-oriented programming with Java and Python  
Linux system and network administration  
Relational database management system with Oracle and MySQL

## **Higher technician certificate in System and network** June 2011

Linux system administration  
Relational algebra and SQL  
Algorithmics and PHP programming  
Shell scripting

## **Professional baccalaureate in System and network** June 2009

TCP/IP stack and OSI model  
Cisco switches and routers management  
Linux system and network administration  
Windows Server administration  
Virtual networks (VPN, VLAN)

## **Patent of professional Studies in Electronic sciences** June 2007

Analog and digital electronic  
Programming on 68HC11

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## **Certifications**

### **Python for Data Science and Machine Learning at Udemy** May 2019

NumPy  
Pandas  
Matplotlib, Seaborn and Plotly  
Machine Learning with SciKit Learn & TensorFlow, including:  
Linear Regression  
K-NN  
K-Means  
Decision Trees  
Random Forests  
Natural Language Processing  
Neural Nets and Deep Learning  
Support Vector Machines

### **Cloud developer at Google** March 2014

App Engine, Cloud Storage, BigQuery and Compute Engine

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## **Hobbies**

Skateboarding, hacking, photography and piano