

Anthony Monthe
Cloud Researcher

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

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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-CI, Semaphore, Codeship, Solano CI, Shippable, wercker, Magnum-CI, Codecov, Code Climate, Lanscape, 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,

Projects

Libcloud January 2014 https://github.com/apache/libcloud
- 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

ao May 2017 https://github.com/ZuluPro/ao
Project owner

Django-DBbaackup January 2015 https://github.com/django-dbbackup/django-dbbackup
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

Moto September 2015 https://github.com/spulec/moto
- Added API endpoints
- Added documention

Django Storages April 2015 https://github.com/jschneier/django-storages
Added DropBox driver
Improved FTP & SFTP drivers
Update documentation
Added unit tests

Flickr Pony April 2016 https://github.com/ZuluPro/flickr-pony
Project creator and owner

django-requests April 2016 https://github.com/kylef/django-request
- Increase test coverage from 15 to 95%
- Add FR translation

Pony-Traffic May 2016 https://github.com/ZuluPro/pony-traffic
Project maintainer:
Implement SEO notions: Visitor, recency, etc
Added Geolocalisation
Added tracking

Django-Super-Favicon April 2016 https://github.com/ZuluPro/django-super-favicon
Project administrator and maintainer

Pony Admin June 2016 https://github.com/ZuluPro/pony-admin
Project author:
- Made Admin hack for handle every listing
- Created code for storage, cloud administration and more

Askbot August 2016 https://github.com/ASKBOT/askbot-devel
- PEP8-ize code
- Unit test and CI
- Bugfixes and improvements
- French translation

web-rich-object November 2016 https://github.com/ZuluPro/web-rich-object
Project creator

django-web-rich-object November 2016 https://github.com/ZuluPro/django-web-rich-object
Project creator

newsboard December 2016 https://github.com/ZuluPro/newsboard
Project creator

OCT January 2017 https://github.com/TheGhouls/oct
Make core more flexible with:
- Customization of each parts
- Operation limits
- Environment data handling

django-import-export December 2017 https://github.com/django-import-export/django-import-export
Class based views

django-torrent October 2017 https://github.com/tkanemoto/django-torrent
- Pypi integration
- Django app integration
- Added unit test
- Added admin interface

django-tables2 January 2018 https://github.com/jieter/django-tables2
Added Table Factory

faker Febuary 2018 https://github.com/joke2k/faker
Improved several providers

django-pivot2 December 2018 https://github.com/cloudspectatordevelopment/django-pivot
Project creator

django-dbcron January 2019 https://github.com/cloudspectatordevelopment/django-dbcron
Project author

Floating Point Benchmark October 2019 https://github.com/cloudspectatordevelopment/python-fpb
Author

Numeter June 2013 to Febuary 2014 https://github.com/redhat-cip/numeter
- Replaced PHPCake WebUI with a Django one
- Created full mock backend for ease development
- Added agnostic charts API

django-images March 2016 https://github.com/mirumee/django-images
Unit tests and CI

Django Scheduler June 2016 https://github.com/ZuluPro/django-scheduler
Improved global and French translation. Made a better admin usage.

django-admin-cli June 2015 https://github.com/ZuluPro/django-admin-cli
Project owner

django-contacts August 2016 https://github.com/myles/django-contacts
As official maintener:
PEP8-ize
Added tests and runner
Django >= 1.8 fixes
Python 3 compatibility

sphinx-django-command July 2016 https://github.com/ZuluPro/sphinx-django-command
Project author

clc-python-sdk November 2017 https://github.com/CenturyLinkCloud/clc-python-sdk
Python 3 support

Duolingo January 2016 https://github.com/KartikTalwar/Duolingo

softlayer-python December 2017 https://github.com/softlayer/softlayer-python

Added retry system

faker-cloud Febuary 2018 https://github.com/ZuluPro/faker-cloud
Project owner

Pony UnitField March 2018 https://github.com/ZuluPro/pony-unitfield
Project creator

django-tellme May 2018 https://github.com/ludrao/django-tellme
Added unit tests
Added CI
Maintenance

django-money April 2018 https://github.com/django-money/django-money
Added test factories

tellme-trello June 2018 https://gitlab.com/ZuluPro/tellme-trello
Creator

django-pandas January 2019 https://github.com/chrisdev/django-pandas
- Small fixes
- Django LTS compatibility

pycurlb Febuary 2019 https://github.com/cloudspectatordevelopment/pycurlb
Project author

python-digitalocean January 2019 https://github.com/koalalorenzo/python-digitalocean
Added requests.Session support

graphene-django-extras October 2018 https://github.com/eamigo86/graphene-django-extras
Improve performances
Improve modularity

Experiences

Founder at Cloud Mercato Febuary 2020

CTO at Cloud Spectator April 2019 to Febuary 2020

Principal Engineer at Cloud Spectator May 2017 to Febuary 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 continious 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 Febuary 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
Internationnal support

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

Training

Bachelor in Computer sciences Febuary 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

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

Hobbies

Skateboarding, hacking, photography and piano