



Célestin Matte

DevOps System Administrator

contact@cmatte.me
https://cmatte.me
30 years old
Bruxelles, Belgium

Education

- 2017** **PhD** in Computer Science, University of Lyon, INSA Lyon, France.
- 2014** **Master** (*Diplôme d'ingénieur*) at **Ensimag**, Grenoble INP. One semester in Aalto University (Finland). Major: Engineering of Information Systems.
- 2011** **DUT** in computer sciences in Metz, first in the class. One semester in Germany.

Professional experience

- 2021 - now** Freelance DevOps System Administrator for Software in the Public Interest: migrate running systems to up-to-date and maintained cloud-based servers or services.
Write Ansible script¹ to install open source mailing list software pglister, work on patches with upstream.
- 2020 - 2021** Freelance engineer at ITG Consulting
- 2019 - 2020** Postdoctoral researcher at Inria Sophia Antipolis: web tracking.
2 publications in peer-reviewed conferences (one top conference)^{2 3 4 5} + 1 journal publication [1]
- 2018** Off year for personal projects⁶
- 2014 - 2017** PhD student at CITI Lab - Inria Privatics: privacy-preserving Wi-Fi tracking.
Thesis: Wi-Fi Tracking: Fingerprinting Attacks and Countermeasures (Manuscript⁷, slides⁸)
4 publications in peer-reviewed conferences^{2 3 4 5} + 4 publications in general public technical journals^{9 10 11 12}
Teaching (3 years): Algorithmics and programming. EN + FR, 1st-year Bachelor level.
Installation of a Wi-Fi tracking demonstration prototype at the *Cité des Sciences et de l'Industrie* (Paris) for the Terra Data exhibition¹³.
- 2014** 6-month internship at CITI Lab (Inria, Lyon): privacy problems in Wi-Fi technology.
- 2013** 2-month internship at TDF: Solution for monitoring QoS of a network architecture.
- 2012** 2-month internship at Digigram: Installation and configuration of a bugtracking system (Redmine), defining of needs and import of existing datas.
- 2011** 6 months (internship + half-time job): Hochschule Mittweida, Germany.
Creation of a reporting system and a data warehouse (Qlikview, Drupal).

Technical skills

- OS: Debian, Arch Linux, Ubuntu
- DevOps tools: Bash, git, Gitlab, Ansible, Docker
- Software: Apache, nginx, MariaDB, PostgreSQL, postfix, dovecot, SSH, fail2ban, php-fpm
- Cloud: Google Cloud Platform, OVH, Gandi
- Programming: Python/Flask, Django, PHP, JavaScript

Software

- Wombat¹⁴ A Wi-Fi tracking system for testing and demonstrational purpose *Python Ansible Arch Linux*
- Cookie-Glasses¹⁵ A browser extension showing consent registered by cookie banners of IAB Europe's Transparency & Consent Framework *JavaScript WebExtensions*
- Vendorlist explorer¹⁶ Web application that extracts information from the vendorlist of IAB Europe Transparency & Consent Framework and makes this information human-readable. *Python Flask SQLAlchemy*
- Cookinspect¹⁷ Selenium-based crawler used to find violations in cookie banners of IAB Europe's Transparency & Consent Framework *Python Selenium WebExtensions SQLAlchemy*

Contributions to open source projects

- wyrd¹⁸ *Sysadmin* fix compile issue and maintain AUR package (Arch Linux)
 - Ansible community.general¹⁹ (1 commit) *Sysadmin Python* Add new feature for pacman
 - Consent-O-Matic²⁰ *JavaScript* (9 commits) improve behaviour, handle new cases
 - ranger²¹ *Python* (5 commits) bugfix, new functionality
 - poezio²² *Python* (8 commits) new functionalities
 - git (Git-Mediawiki)²³ *Perl* (32 commits) code cleaning, new functionality
- Bug reports leading to fixes: randrctl, gmic, disconnect-tracking-protection, OCaml Curses

Misc.

Languages: French (native), English (excellent), German (average).
Driving license.
"Study-Arts"²⁴ dance diploma from INSA Lyon.
Selected personal projects:

- System administrator for an association in 2012-14: in charge of servers hosting student websites (Summary²⁵)
sysadmin Debian

- Developer and administrator for the online game Sisteearth²⁶ *PHP MySQL Javascript sysadmin*
- Maintaining 4 personal servers on Arch Linux and Debian (apache, Flask, postfix, dovecot, mariadb, fail2ban, openvpn, php-fpm)
- Wrote several dancing shows, some using digital art (Kinect sensors) (Website⁶) *C C++ libfreenect OpenCL SDL*
- panu²⁷ A XMPP (Jabber) bot *Python XMPP Slixmpp SQLAlchemy*

Contact

contact@cmatte.me (GPG²⁸: 0xCB6A8BD6 – 6430 156C 58FF 95B8 7EA9 0F30 A1A6 28FE CB6A 8BD6)

Twitter: @CelestinMatte

Links

- 1: <https://gitlab.com/cmatte/ansible-pglistier/>
- 2: <https://hal.inria.fr/hal-01282900>
- 3: <https://hal.inria.fr/hal-01176842>
- 4: <https://hal.inria.fr/hal-01330479>
- 5: <https://hal.inria.fr/hal-01330476>
- 6: <https://cmatte.me/danse>
- 7: <https://hal.inria.fr/tel-01659783v1>
- 8: https://ploudseeker.com/files/docs/slides_these.pdf
- 9: <https://bit.ly/misc81>
- 10: <https://bit.ly/glmfns84>
- 11: <https://bit.ly/glmf202>
- 12: <https://bit.ly/misc96>
- 13: <http://www.cite-sciences.fr/fr/au-programme/expos-temporaires/terra-data/>
- 14: <https://github.com/Perdu/wombat>
- 15: <https://github.com/Perdu/Cookie-Glasses>
- 16: <https://github.com/Perdu/vendorlistexplorer>
- 17: <https://github.com/Perdu/Cookinspect>
- 18: <https://aur.archlinux.org/packages/wyrd-git>
- 19: <https://github.com/ansible-collections/community.general/commits?author=Perdu>
- 20: <https://github.com/cavi-au/Consent-O-Matic/commits?author=Perdu>
- 21: <https://github.com/ranger/ranger/commits?author=Perdu>
- 22: <https://github.com/mathieui/poezio/commits?author=Perdu>
- 23: <https://github.com/git/git/commits?author=Perdu>
- 24: <https://www.insa-lyon.fr/sites/www.insa-lyon.fr/files/plaquette-art-etudes.pdf#page=8>
- 25: http://cmatte.me/sysadmin_polecom_en.txt
- 26: <http://www.sisteearth.com>
- 27: <https://github.com/Perdu/panu>
- 28: <https://cmatte.me/CV/gpg>