



Célestin Matte

DevOps System Administrator

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https://cmatte.me
33 years old
Strasbourg, France

Strengths:
Autonomous
International
Analytical thinker

Education

- 2017 **PhD** in Computer Science, INSA Lyon, University of Lyon, France.
- 2014 **Master (Diplôme d'ingénieur)** at Ensimag, Grenoble INP. Semester in Aalto University (Finland).
- 2011 **DUT** in computer sciences in Metz, valedictorian. Semester in Germany.

Professional experience

- 2021 - now** **Freelance DevOps System Administrator** for *Software in the Public Interest*
(part time)
 - Migrate running systems to up-to-date and maintained cloud-based servers or services.
 - Write Ansible script to install open source mailing list software PGLister, work on patches with upstream.
 - Rewrite a Flask web application in Django (Python).
- 2022-02 - 09** **Freelance System Administrator** for *IRIS (Canon group)*
(80% part time)
 - Manage ~50 Linux servers (upgrade all servers, implement security measures, debug issues and critical crashes, introduce automation with Ansible).
- 2019 - 2020** **Postdoctoral researcher** at *Inria*
Keywords: Privacy, Web tracking, GDPR, cookie banners.
2 publications in peer-reviewed conferences (one top-ranked conference) + 1 journal publication
Team work, collaboration with lawyers
- 2018** Off year for personal projects
- 2014 - 2017** **PhD student** at *Université de Lyon - INSA Lyon - Inria Privatics*
Thesis: Wi-Fi Tracking: Fingerprinting Attacks and Countermeasures
4 publications in peer-reviewed conferences
Teaching (3 years)
Installation of an autonomous self-deployed network of Arch Linux machines (Wi-Fi tracking demonstration) at the *Cité des Sciences et de l'Industrie* (Paris).
- 2011-2014** **Internships / Part-time jobs:** *Hochschule Mittweida* (Germany), *Digigram*, *TDF*, *CITI Laboratory*.

Technical skills

- DevOps tools: Ansible, Bash, Git, Gitlab, Docker, SSH
- Cloud: Google Cloud Platform, AWS, OVH, Gandi
- OS: Debian, Arch Linux, Ubuntu, CentOS
- Software: Apache, NGINX, MariaDB, PostgreSQL, Postfix, Exim, Dovecot, Fail2ban, PHP-FPM, OpenVPN, Nagios, vSphere
- Programming: Python/Flask, Django, PHP
- Currently learning: Kubernetes, Terraform

Software

- Ansible-PGLister Ansible script to install all components of the PGLister mailing list system (Ansible)
- Wombat A Wi-Fi tracking system for testing and demonstrational purpose (Python) (Ansible) (Arch Linux)
- Vendorlist explorer Web application that extracts information from the vendorlist of IAB Europe Transparency & Consent Framework and makes this information human-readable. (Python) (Flask) (SQLAlchemy)
- Cookie-Glasses A browser extension showing consent registered by cookie banners of IAB Europe's Transparency & Consent Framework (JavaScript) (WebExtensions)
- Members-django Rewriting of SPI's membership application using Django (Python) (Django)

Misc.

French (native), English (excellent), German (average).

Driving license.

Contribution to Open Source:

- Maintainer of various AUR packages (Arch Linux), e.g. *wyrd* (Sysadmin) (CI/CD)
- Contribution to various projects: PGLister, PGArchives and PGWeb (Django), Debian Reimbursement (Ansible), *kolla-ansible* (Ansible), *Ansible community.general* (Sysadmin) (Python), *Consent-O-Matic* (JavaScript), *ranger* (Python), *poezio* (Python), *git* (Git-Mediawiki) (Perl)

Selected personal projects:

- System administrator for a student association in 2012-14 (Sysadmin) (Debian) (Apache)
- Organization committee of Grehack 2012, 2013 and 2015 (Security)
- Maintaining 4 personal servers since 2013 (Arch Linux) (Debian) (Apache) (Postfix) (Flask) (MariaDB) (OpenVPN) (Jitsi)
- 2020-21: Launched a fast-paced version of an online game (PHP) (PHP-FPM) (Monitoring) (Performance optimization)
- Wrote dance shows using digital art (Kinect sensors) (C) (C++) (libfreenect) (OpenCL) (SDL)
- Wrote 7 articles in general-public technical journals