ROMAIN DEVILLE

IT enthusiast, kinda weird, living in the terminal, I'm focused on cloud platform administration, automation and observability.
I love everything related to IaC tools and automation through GitOps approach to ensure traceability of deployment evolution, scalability and reconciliation when drifts occur.
I also pay a lot of attention to my volunteer investments and my commitment to security and data privacy.

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SKILLS

Soft Skills: Teamwork, Pedagogy, Documentation, Curiosity, Autonomy,
DevOps / SRE: Cloud Provider, Identity Access Management, Infrastructure as Code, Kubernetes, Monitoring, CI-CD,
Programming: Python, Javascript, Nix, Script Shell, C++,

PROFESSIONAL EXPERIENCES

Dougs
Bron, Rhône-Alpes, France

Lead DevOps / SRE   Oct. 2024— June 2025
Infra Team   7 months

- **In charge of supersvision and administration** of infrastructures, kubernetes clusters et access.
- Team's roadmaps **planification** with CISO, software architect and IT director,
- **Monitoring controls** of the Information System and Security in ISO 27001 and SecNumCloud context,
- Information System **Monitoring** and **incident résolution** when required,
- Maintaining the team's **documentation**.
- **Technical support** for developers,
- **Recrutment, support and training** of team members.

DevOps / SRE   Feb. 2024— Oct. 2024
Infra Team   8 months

- **Import into IaC tools** existing cloud infrastructure,
- Cloud **Infrastructure management** in ISO 27001 and SecNumCloud context,
- **Kubernetes clusters administration**,
- Information System **Monitoring** and **incident résolution** when required,
- **CI/CD** deployment and management,
- **Technical support** for developers,
- Maintaining the team's **documentation**.

Skyloud
Lyon, Rhône-Alpes, France

Plateform Engineer   July 2022— July 2023
Scale Team   1 year 1 month

- Public Cloud **infrastructure Design et deployment** with IaC technologies,
- **Kubernetes Clusters Administration** and application deployment within clusters,
- **Monitoring** Information Systems with tools such as Prometheus, Mimir, Loki, Grafana,
- Containerisation of client application, setup **CI/CD with GitOps tools**,
- **Automatisation of internal process** to ease migration of client applications in the cloud.

LIRIS (UMR 5205), CNRS
Villeurbanne, Rhône-Alpes, France

Ingénieur d'Études   Sept. 2018 — August 2020
Plateform Team   2 years

Design and implementation of an experimentation platform, dedicated to research projects.

- Hardware and software **architecture design** of the platform,
- Setup tools to **automate platform management**,
- Evaluation of different monitoring systems and setup prototype of the platform monitoring,
- Write the **technical documentation**.

I also offered internal training about following topics:

- Setup of **Continuous Integration** (CI) tools.
- Use of **Git** and data security (**gpg**, **KeepassXC**, storage encryption).

PhD Candidate
M2DisCO Team

Sept. 2014— August 2018
4 years

Realization of a **research project** associated to the **ANR SoLSTiCE project** aiming to develop new models and tools to represent 2D (images) and 2D+t (videos, cellular automata) data.

- **Development** of tools and algorithm to perform grid mining,
- **Plan** and perform data experimentations,
- **Autonomous work**.

Internship - Final year project
M2DisCO Team

March 2014— Sept. 2018
6 months

Preparation of a **research project** associated to **ANR SoLSTiCE** to continue as PhD candidate.

- **Prototyping and development** of tools and mining algorithm,
- **Planification** of experiments,
- **Reading and analysis** of many research papers on the subject,
- **Autonomous work**.

Internship
DB Team

June 2011— August 2011
3 months

Development of modelization and visualization tools using **Web 3D** technologies to display a smart building with possibilities to send requests to sensors.

VOLUNTEERING

LOV, FabLab
Laboratoire Ouvert Villeurbannais

Villeurbanne, Rhône-Alpes, France

Board Member

2019— 2020
1 year

- **Held opening hours** on a weekly basis,
- **Maintenance** of the workshop and the equipment,
- Welcoming and **training of the new members**,
- Organization of board meetings and reporting.

Active Member

2018— 2020
2 years 5 months

Illyse
Associative ISP in Lyon and Saint-Étienne

Lyon, Rhône-Alpes, France

Board Member

2017— 2020
3 years 8 months

- **Held opening hours** on a monthly basis,
- **Organization of board meetings** and writing reports.
- **Preparation and gave talks** in events such as Open Source Software Days

Active Member

2016— 2020
4 years 8 months

Salle des Rancy, Maison pour Tous
Youth and Cultural Community Center

Lyon, Rhône-Alpes, France

Volunteer

2016— 2020
4 years 5 months

- **Digital activities** for the members of the Center,
- System Administration **support and maintenance** for the Digital Pole,
- Volunteer member of the organisation teams in digital event related to the Digital Pole of the Center.

Graines d'Images   Villeurbanne, Rhône-Alpes, France

INSA Lyon photography union

Financial Administrator   2012— 2013

1 year

- **Held opening hours** on an almost daily basis,
- **Cash flow management**, sale and purchase of equipment, expense report, membership fees,
- Organization of meetings with the board members,
- Maintenance of the photographic equipment.

Vice President   2010— 2011

1 year

- **Held opening hours** on an almost daily basis,
- **Management of the day-to-day** life of the union,
- Organization of meetings with the board members,
- Maintenance of the photographic equipment.

Active Member   2009— 2018

9 years

FORMATION

PhD in Computer Sciences, INSA, Rhône-Alpes, France   2018
M.Sc. Engineering, Speciality Computer Sciences, INSA, Rhône-Alpes, France   2014

LANGUAGES

French: Native Language
English: Fluent

PROJECTS

Dotgit Sync, Tool to synchronize configurations files across multiple git repository.
NixOS, NixOS et Home-Manager public modules.
OpenTofu/Terraform, Opentofu/Terraform public modules.
Dotfiles, Configurations files for TUI/CLI such as tmux, neovim or awesomewm.

INTERESTS

Self-Hosting, Hosting mails and cloud storage since 2016. Currently deploying Kubernetes clusters bare metal at home.
DIY, Fabrication, CAO, 3D printing, laser cutting,…
Photography, Practice of film, digital and polaroid photography.
Cycling, Bike customization and main mode of transportation.