

# DR. 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

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**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

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### Dougs

Bron, Rhône-Alpes, France

#### Lead DevOps / SRE

Oct. 2024— June 2025

Infra Team

7 months

In addition to the missions of DevOps/SRE, I was in charge of:

- **Supervision and administration** of infrastructures, kubernetes clusters et access.
- **Planification** of the team's roadmaps with CISO, software architect and IT director,
- **Monitoring controls** of the Information System and Security in ISO 27001 and SecNumCloud context,
- **Recruitment, 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 response** when required,
- **CI/CD** deployment and management,
- **Technical support** for developers,
- Maintaining the team's **documentation**.

### Skycloud

Lyon, Rhône-Alpes, France

#### Platform 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

#### Design Engineer

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

Sept. 2014— August 2018

M2DisCO Team

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

March 2014— Sept. 2014

M2DisCO Team

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

June 2011— August 2011

DB Team

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

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### LOV, FabLab

Villeurbanne, Rhône-Alpes, France

Laboratoire Ouvert Villeurbannais

#### 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

Lyon, Rhône-Alpes, France

Associative ISP in Lyon and Saint-Étienne

#### 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

Lyon, Rhône-Alpes, France

Youth and Cultural Community Center

#### 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.
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**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

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PhD in Computer Sciences, INSA, Rhône-Alpes, France

2018

M.Sc. Engineering, Speciality Computer Sciences, INSA, Rhône-Alpes, France

2014

## LANGUAGES

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**French:** Native Language

**English:** Fluent

## PROJECTS

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**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

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**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.