



# DR. ROMAIN DEVILLE

## DevOps Engineer / SRE

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.

### CONTACT

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📍 France

🚗 Driving License

### NETWORK

🏠 [romaindeville.fr](http://romaindeville.fr)

🔗 [framagit.org/rdeville-public](https://framagit.org/rdeville-public)

🐙 [github.com/rdeville](https://github.com/rdeville)

🌐 [linkedin.com/in/romaindeville](https://linkedin.com/in/romaindeville)

### LANGUAGES

🇫🇷 **French** Native Language

🇬🇧 **English** Fluent

### FORMATION

PhD in Computer Sciences 2018  
INSA, Rhône-Alpes, France

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

### 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.

### COMPÉTENCES

#### 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

Feb. 2024— June 2025

1 year 4 months

☁️ GCP	🔗 Outscale	🏗️ Terraform	🔑 Terragrunt	🔧 Kubernetes	🔧 Kustomize
🛡️ Helm	💡 ArgoCD	📊 Datadog	📦 Redis	🗄️ MongoDB	🗄️ PostgreSQL
🐙 Github	🐳 Docker	📦 NodeJS	🐙 NestJS	📝 Notion	

#### Lead DevOps / SRE

Infra Team

Oct. 2024— June 2025

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

Infra Team

Feb. 2024— Oct. 2024

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,
- **Development** of core micro-services for the plateforme,
- **Technical support** for developers,
- Maintaining the team's **documentation**.

#### Skycloud

Lyon, Rhône-Alpes, France

Juil. 2022— Juil. 2023

1 year 1 month

🐦 AWS	🔗 Scaleway	🏗️ Terraform	🔧 Kubernetes	🛡️ Helm	🐳 Docker
🐙 Gitlab CI	💡 ArgoCD	📊 Grafana	🐙 Loki	🗄️ Mimir	🗄️ Prometheus
🟨 Javascript	📄 Docusaurus				

#### Platform Engineer

Scale Team

July 2022— July 2023

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.

VOLUNTEERING

LOV, FabLab

Laboratoire Ouvert Villeurbannais  
Board Member 2019— 2020  
1 year

Active Member 2018— 2020  
2 years 5 months

Illyse

Associative ISP in Lyon and Saint-Étienne  
Board Member 2017— 2020  
3 years 8 months

Active Member 2016— 2020  
4 years 8 months

Salle des Rancy, Maison pour Tous

Youth and Cultural Community Center  
Volunteer 2016— 2020  
4 years 5 months

Graines d’Images

INSA Lyon photography union  
Financial Administrator 2012— 2013  
1 year

Vice President 2010— 2011  
1 year

Active Member 2009— 2018  
9 years

LIRIS (UMR 5205), CNRS

Villeurbanne, Rhône-Alpes, France

Design Engineer

Plateform Team

Juin 2011— Août 2020  
6 years 9 months

Sept. 2018 — August 2020  
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. 2014  
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.

