ROMAIN DEVILLE

Platform Engineer / SRE

IT enthusiast, I'm focused on Platform Administration, Autommatisation and Observability.
I love everything related to IaC and automation through GitOps approach to ensure tracability of deployment evolution, reconcialition when drifts occurs and scalability.
I also pay a lot of attention to my volunteer investments and my commitment to security and data privacy.

CONTACT

- pro@romaindeville.fr
- +33.6.16.90.61.65
- France
- Driving License

NETWORK

- romaindeville.fr
- framagit.org/rdeville-public
- github.com/rdeville
- linkedin.com/in/romaindeville

LANGUAGES

- **French** — Native Language
- **English** — Fluent

FORMATION

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

M.Sc. Engineering Speciality Computer Sciences — 2014
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 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
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 résolution** when required,
- **CI/CD** deployment and management,
- **Technical support** for developers,
- Maintaining the team's **documentation**.

Skyloud
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				

Plateform 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.

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

Juin 2011— Août 2020
6 years 9 months

### Ingénieur d'Études
Plateform Team

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).

Python	Bash/Zsh	LaTeX	Kubernetes	Helm	Ansible
Packer	Docker	Gitlab CI	MKdocs		
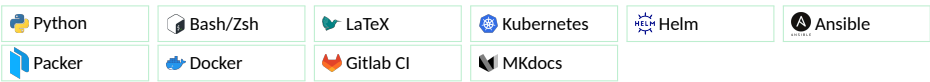
PhD Candidate
M2DisCO Team

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**.

Octave	C++	Bash/Zsh	LaTeX

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**.

Octave	C++	Bash/Zsh	LaTeX

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.

Javascript	HTML5	CSS3