

# Bastien Mennesson

SITE RELIABILITY ENGINEER

Paris, France

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## Skills

<b>Cloud platforms</b>	AWS and GCP
<b>Solution architecture</b>	Design, Implementation, Audit
<b>Infrastructure as Code</b>	Terraform, Terragrunt, Helm, Packer, Ansible, CloudFormation
<b>Orchestration platforms</b>	Kubernetes, AWS ECS, Nomad
<b>Observability</b>	Datadog, AWS Cloudwatch, PagerDuty
<b>Programming Languages</b>	Bash, Python, Golang
	French (native), English (professional proficiency)

## Experience

### Payfit

Paris, France

SITE RELIABILITY ENGINEER

Mar. 2022 - PRESENT

- Supporting developers with their use of the internal platform and related tools like Terraform, Kubernetes or Datadog.
- Observability evangelism by writing internal guidelines and pushing industry best-practices.
- Terraform evangelism by co-authoring internal guidelines, pushing industry best-practices and mentor engineers.
- Heavily contributed to taking under control our Datadog usages by using a FinOps approach and better negotiate our contract. Resulting in a 30% cost reduction in two years.
- Deployed a Vector aggregator cluster to further optimise costs by cutting down on AWS egress and Datadog ingress fees.

### ManoMano

Paris, France

SITE RELIABILITY ENGINEER

Sep. 2019 - Oct. 2021

- Operational support to engineers, ranging from cloud design architecture to performance debugging and CI/CD maintenance.
- Terraform and Terragrunt evangelism by writing internal guidelines.
- Refactored our main infrastructure-as-code mono-repo to leverage Terragrunt in order to reduce code duplication by more than 50% and make maintenance easier.
- Developed a RabbitMQ audit log daemon to monitor applications interactions across topics and queues as we required insights as to how services were producing or consuming events in order to prevent incidents.

### Ogury

Paris, France

DEVOPS ENGINEER

Feb. 2018 - Mar. 2019

- Operational support to engineers to help them with Cloud or CI/CD usages.
- Infrastructure automation with CloudFormation and Chef.
- Developed several scripts in Bash and Python to automate repetitive tasks like creating and restoring backups.
- Developed a CLI to backup and restore AWS Cognito Identity Pools.
- Wrote an extensive cross-platform and cross-device CI/CD pipeline for Jenkins, using Groovy.

### D2SI

Paris, France

CLOUD & AUTOMATION CONSULTANT

Oct. 2016 - Feb. 2018

- Operational support to engineers, ranging from building OCI images, local development stacks or CI/CD workflows.
- Infrastructure automation with Terraform, Packer, Bash, Ansible and Python for fast, safe and reproducible artifacts.
- Mentored a Master 2 student for 6 months. Working with him on data persistency on Kubernetes clusters, evaluating and benchmarking solutions in various scenarios and writing internal documentations.

## Education

### INSSET (Institut Supérieur des Sciences Et Techniques)

Saint-Quentin, Picardie, France

MASTER DEGREE IN COMPUTER SCIENCE, CLOUD & MOBILITY MAJOR

Sept. 2014 - Sept. 2016

## Hobbies

HOMELAB

- Currently composed of a Kubernetes cluster built on a TuringPi 2 motherboard and 4 RK1 SBCs, a Xeon-based XCP-ng hypervisor and prosumer network equipment (Unifi, pfSense appliance, ...).