

Théo Rey

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Summary

Senior SRE building and operating Kubernetes-native platforms across multi-cloud and on-prem environments. Focused on reliability engineering, internal tooling development, and security for high-stakes environments.

Skills

SRE: Kubernetes, IaC, GitOps (Flux, ArgoCD), Service Mesh (Istio, Cilium), Cloud security and hardening, Observability

Infrastructure: AWS, Azure, Scaleway, on-prem

Programming: Python, Go, TypeScript, Bash

Others: Linux systems and networking, Containerization, CI/CD, Load testing (k6), PostgreSQL

Languages: English, French

Experience

Senior Site Reliability Engineer, SWAN – Remote, France Feb 2024 – present

- Reduced 5xx error rate on payment-critical paths by tuning Istio circuit breaking, load balancing and retry policies
- Built internal load and reliability testing tooling with metrics and traces
- Rebuilt autoscaling on Karpenter (mixed fleet) and KEDA, cutting compute cost and scale-out latency
- Led zero-downtime PostgreSQL major upgrades on replicated production clusters under banking compliance constraints
- Operated multiple EKS clusters with 40+ services and complex network stack, including upgrades and hardening
- Designed SLO and alerting framework on Grafana, owned on-call rotation and incident response

DevOps Engineer, ZELROS – Remote, France Sept 2022 – Jan 2024

- Built a Java Kubernetes operator provisioning per-tenant Azure resource groups, storage and databases (80+ tenants)
- Implemented ISO 27001-aligned SecOps tooling with Falco, Kyverno, Trivy and Azure Workload Identity
- Deployed Prometheus + Thanos, Loki and Grafana across multi-tenant AKS clusters
- Owned GitOps pipelines with ArgoCD and disaster recovery with Velero

Cloud Engineer (Apprenticeship), SKYLOUD – Lyon, France Aug 2021 – Sept 2022

- Designed and delivered AWS/Scaleway Terraform architectures for ~10 client projects
- Administered RKE, EKS, and Kapsule Kubernetes clusters and led zero-downtime infrastructure migrations
- Deployed CI/CD pipelines, GitOps solutions, and Prometheus/Grafana/Loki monitoring stacks

IT Project Manager (Apprenticeship), ORANGE – L'Isle d'Abeau, France Sept 2020 – July 2021

- Wrote Python/Bash automation for data conversion and migration workflows
- Administered RHEL servers and deployed wiki infrastructure

Education

Claude Bernard University Lyon 1, Master in System, Networks and Infrastructures – Lyon, France Sept 2020 – June 2022

- Systems, networks, security, virtualization and orchestration

Claude Bernard University Lyon 1, Bachelor's degree in Computer Science – Lyon, France Sept 2017 – June 2020

- Algorithms, OOP, networking, databases

Certifications

CKS, Certified Kubernetes Security Specialist: 2022

CKA, Certified Kubernetes Administrator: 2021

TOEIC, English - 990: 2022