

Julian Louis

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Profile

I am a self-taught SysOps engineer specializing in cloud infrastructure management and container orchestration. My expertise in AWS, Kubernetes, Terraform and CI/CD pipelines allows me to automate deployments and optimize performance while ensuring application monitoring and availability.

Professional Experience

Head of Infrastructure - Selectra

Called back to take over cloud infrastructure management.
October 2024 – Present

- Cut AWS and Datadog costs by 40% by migrating to Graviton instances, implementing resource tagging, right-sizing workloads and setting up scaling policies with Karpenter.
- Implemented Kyverno on Kubernetes to define and enforce policy-as-code (security, compliance, configuration best practices), ensuring internal standards are met across clusters.
- Ran 1-on-1 sessions with around twenty developers in an international setting to optimize their services and teach monitoring best practices with Datadog.

SysOps Engineer - Santé Académie

Tasked with building the infrastructure from scratch.
December 2022 – October 2024

- Migrated the compute layer of the infrastructure to Amazon EKS on AWS.
- Containerized multiple applications and built a PHP package using DynamoDB for session and cache storage, making them cloud-compatible.
- Automated everything that could be automated and implemented a GitOps workflow with Argo CD and GitHub Actions.
- Monitored infrastructure and applications with Datadog, built dashboards and monitors for developers, and implemented distributed tracing.
- Documented the infrastructure to streamline onboarding and improve collaboration across teams.

SysOps Engineer - Selectra

September 2021 – November 2022

- Managed and automated AWS infrastructure as code with Terraform.
- Deployed applications on Kubernetes and S3/CloudFront, and improved CI/CD pipelines on Semaphore CI.
- Automated repetitive tasks to improve operational efficiency.
- Wrote incident reports and raised awareness of best practices.

Skills

Cloud Infrastructure
Monitoring & Observability
Tech Watch & Continuous Learning

Languages

French
English

Tools

Amazon Web Services
Kubernetes
Docker
Terraform
Datadog
Argo CD

Social

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