Rayan Es-Seffar

DevOps and Cloud Engineer

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LinkedIn | GitHub

Professional Summary

DevOps engineer experienced in AWS and Kubernetes operations, CI/CD optimization and production troubleshooting. Combines Terraform and Helm infrastructure work with observability, networking and Rust/Python development to improve reliability and deployment efficiency.

Professional Experience

YsoCorp
DevOps Full-Stack Developer | *Mar 2025 - Present*

- Troubleshot AWS EKS workloads, rollouts, storage and autoscaling; maintained Terraform, Helm and Karpenter configurations across advertising and internal analytics platforms.
- Optimized Bitbucket CI and Docker builds; reduced an API container image from 2.43 GiB to 854 MiB (66%), with exact prediction parity across 348 checks.
- Migrated application logging from Promtail to Grafana Alloy and verified Loki ingestion; built Grafana dashboards and alerts using Prometheus metrics.
- Diagnosed HAProxy and AWS NLB routing, health-check and scaling issues; worked on TLS configuration and Authelia/OpenID Connect authentication.
- Investigated Druid ingestion and SQL bottlenecks, Kafka pipelines and Aerospike storage; developed and tested Java extensions for Druid/Kudu integration.
- Profiled Rust APIs with perf and flamegraphs; benchmarked model-serving optimizations in isolated Kubernetes deployments with prediction-parity checks.
- Analyzed AWS compute, EBS storage and network costs, attributing spend to workloads and identifying resource optimization opportunities.

Freelance
Backend and DevOps Developer | *Aug 2024 - Present*

- Delivered client infrastructure from architecture through deployment and maintenance; translated requirements and explained technical choices to non-technical stakeholders.

Henri8
Full Stack and Systems Administration Intern | *Feb - Jun 2024*

- Configured production servers with Docker, PM2 and Fail2ban; developed React and Express applications with MongoDB backends.

EPITECH Paris
Technical Assistant | *2023 - 2024*

0xAvenue, Taiwan
Software Development Intern | *Aug - Nov 2022*

- Developed with React and blockchain SDKs and worked on basic Solidity smart contracts.

Automation Project

AI-assisted bug triage | *Slack and OpenAI Codex* | *2026 prototype*

- Configured bug-report triage with duplicate detection, isolated fixes, targeted tests and human review before merge or deployment.

Education

EPITECH Paris | Information Technology Expert programme | 2021 - 2026
Bac+5 programme in software engineering, DevOps and cloud infrastructure. Final project: AWS, Terraform, Docker and Grafana.

IUT Senart-Fontainebleau | 2020 - 2021
Electrical Engineering and Industrial Computing coursework.

Tools and Skills

Cloud and infrastructure: AWS (EKS, EC2, S3, ECR, RDS, IAM), Kubernetes, Terraform, Helm, Karpenter, Docker
Delivery and operations: Bitbucket Pipelines, GitHub Actions, Jenkins, Git, Linux, Bash, Ansible
Monitoring and networking: Grafana, Prometheus, Loki, Alloy, HAProxy, AWS NLB, TLS, OpenID Connect
Development and data: Rust, Python, TypeScript, SQL, Apache Druid, Kafka, Aerospike, PostgreSQL
Languages: French; English - TEPITECH 845/990