

Hajjami Reda

DevOps Engineer — 2 Years Production Experience

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Profile

DevOps Engineer with 2 years of production experience — CI/CD pipelines (Azure Pipelines, GitLab CI), Kubernetes cluster operations, IaC with Terraform on Azure and AWS, DevSecOps practices (SonarQube, Trivy, Key Vault), and Python/Bash scripting. Proven ability to deliver in agile, multi-disciplinary teams. HashiCorp Terraform and Microsoft Azure certified.

Professional Experience

DevOps Engineer — *SQLI*

Sep 2023 – Aug 2025

- Implemented zero-downtime migration of 15 multi-repo microservices to Kubernetes — developed reusable Helm charts reducing deployment time from days to under one hour.
- Built secure CI/CD pipelines (Azure Pipelines, GitLab CI) integrating SonarQube, Trivy and Azure Key Vault — reduced delivery cycles by 50% across 15+ microservices.
- Automated Azure infrastructure provisioning via reusable Terraform modules (Key Vault, ACR, VNet, Service Bus) — multi-environment IaC, eliminated 2h+ of manual work per week.
- Operated Kubernetes clusters in production: Helm, RBAC, Network Policies, high availability. Scripted automation with Bash, Go and Python.

DevOps & Backend Developer Internship — *Lightfunnels*

Jul 2022 – Sep 2022

- Automated AWS infrastructure (Lambda, API Gateway, IAM) via Terraform — reduced environment setup from 3 days to under one hour.
- Developed GraphQL APIs (Node.js) with OAuth 2.0 and MongoDB. Configured automated GitLab CI pipelines for build and deployment.

Projects

Kubernetes Observability Stack — github.com/pinkjy/homelab

- Provisioned a multi-node k3s cluster via Terraform — fully reproducible, version-controlled in Git. GitOps with Helm and ArgoCD: automatic sync, instant rollback, multi-environment management.
- Deployed complete observability stack: Prometheus (metrics), Grafana (RED method dashboards), Loki/Promtail (structured logs), Alertmanager (alert routing).
- Validated resilience via chaos engineering — crash loops, 82% simulated error rate, backup and recovery procedures documented and tested end-to-end.

AIOps — Anomaly Detection Service (in progress)

- Developed a FastAPI (Python) service querying Prometheus via PromQL — Isolation Forest model trained on historical cluster metrics. Anomalies published to Alertmanager and annotated in Grafana for real-time visibility.
- Deployed via Helm on k3s in full GitOps mode — containerized, horizontally scalable, CI pipeline with quality and security checks included.

Web Agency Platform — OCI Production

- Provisioned complete infrastructure via Terraform OCI (VMs, networking, storage) — zero manual intervention after initial deployment, fully automated lifecycle.
- Configured GitHub Actions CI/CD pipeline (lint, build, deploy) and integrated Cloudflare WAF — rate limiting and DDoS protection for production traffic.

Technical Skills

CI/CD	GitLab CI, GitHub Actions, Azure DevOps
IaC & Automation	Terraform, Bash, Python, Go, Shell
Containers	Kubernetes, Docker, Helm, ArgoCD
Cloud	Azure, AWS, GCP, Oracle Cloud
Observability	Prometheus, Grafana, Loki, Alertmanager, Elasticsearch
Security	Trivy, SonarQube, Azure Key Vault, RBAC, IAM
Systems	Linux, Windows, TCP/IP, DNS, SSH, PostgreSQL, MongoDB

Education

- Master's in Computer Science
- State Engineer Degree, Computer Science

Universite Grenoble Alpes
ENSA, Safi

Certifications

- HashiCorp Certified: Terraform Associate
- Microsoft Certified: Azure Fundamentals

Languages

- English — Professional
- French — Professional (B2)
- Arabic — Native