

AHMED KACEM

Software Engineering Student (DevOps & Cloud)

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SUMMARY

Software engineering student focused on DevOps and cloud infrastructure. Experience building production-like environments using Kubernetes, GitOps, and Infrastructure as Code. Strong focus on automation, reliability, and reproducibility.

EDUCATION

Software Engineering

Higher Institute of Computer Science and Mathematics of Monastir

Monastir, Tunisia

2024 – Present

Integrated Preparatory Cycle in Computer Science

Higher Institute of Computer Science and Mathematics of Monastir

Monastir, Tunisia

2022 – 2024

EXPERIENCE

DevOps Intern

Khallasli

July 2025 – August 2025

Sousse, Tunisia

- Built and optimized Docker images and pushed to Azure Container Registry, reducing image size and improving build performance.
- Designed CI/CD pipelines with Jenkins integrating SonarQube and Trivy, enforcing automated quality and security checks.
- Deployed microservices to Azure Kubernetes Service (AKS) with Traefik ingress, TLS, and cert-manager for secure exposure.
- Implemented GitOps workflows using ArgoCD and Argo Rollouts with Terraform-based infrastructure, enabling reproducible deployments and controlled releases.

Software Engineering Intern

Société de Transport du Sahel

July 2023

Sousse, Tunisia

- Deployed a Dockerized Odoon platform with PostgreSQL, ensuring service reliability and persistent data management.
- Handled Linux system configuration and environment setup for production use.

PROJECTS

DevOps Showcase: Microservices E-Commerce Platform

github.com/genocem/devops_showcase

- Designed and built a microservices-based e-commerce system with independent services and a Next.js frontend.
- Implemented end-to-end CI/CD pipelines with Jenkins for automated build, test, and deployment workflows.
- Provisioned and configured cloud infrastructure using Terraform and Ansible.
- Deployed to Kubernetes using Helm and ArgoCD GitOps workflows for declarative, version-controlled releases.
- Integrated monitoring (Prometheus, Grafana) and secure ingress (Traefik, TLS) to simulate production-grade environments.

mgit: Multi-Repository Git Management Tool | Golang

github.com/genocem/mgit

- Developed a CLI tool to manage multiple Git repositories from a unified interface.
- Implemented parallel execution and batch operations to improve developer workflow efficiency.

Jenkins Azure Provisioning | Terraform & Ansible

github.com/genocem/jenkins-azure-provisioning

- Automated provisioning and configuration of Azure infrastructure using Infrastructure as Code principles.
- Built a reproducible environment for deploying and running Jenkins on cloud infrastructure.

TECHNICAL SKILLS

Programming Languages: Golang, Python, Java

DevOps & Cloud: Docker, Kubernetes, Terraform, Ansible, Jenkins, ArgoCD, Helm, Azure

Monitoring: Prometheus, Grafana, Loki

Practices: CI/CD, GitOps, Infrastructure as Code, Observability, Containerization

CERTIFICATIONS

Kubernetes and Cloud Native Associate (KCNA)

AWS Certified Cloud Practitioner

LANGUAGES

Arabic: Native | **English:** Professional | **French:** Professional