



Saif Eddine Keraa

Full Stack & DevOps Engineer



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Profile

Full Stack & DevOps Engineer with a sharp focus on automation, scalability, and security.

I design, containerize, and deploy production-grade systems where speed, reliability, and visibility are non-negotiable

My work blends DevOps discipline (Terraform, Ansible, CI/CD, monitoring) with modern JavaScript ecosystems (React, Node.js, NestJS) to deliver systems that run clean, fast, and safely

Open-source contributor and author of two React NPM packages, reflecting a habit of building reusable, community-grade tools

Technical Expertise

- **Frontend:** ReactJS, Angular, Vue.js, Flutter, TypeScript, HTML5, CSS3
- **Backend:** Node.js, Express.js, NestJS, Spring Boot, FastApi, Python, Java, API REST, PHP, ASP.Net
- **Databases:** PostgreSQL, MongoDB, MySQL, FireBase
- **Infrastructure & Automation:** Docker, Kubernetes, ArgoCD, Terraform, Ansible
- **CI/CD & Monitoring:** GitHub Actions, GitLab CI/CD, Jenkins, Grafana, Prometheus, ELK
- **Cloud & Security:** AWS, Azure, DevSecOps, OWASP, SAST/DAST, Vulnerability Scans
- **Systems & Scripting:** Linux, Bash

Professional Experience

DevOps & Full Stack Engineer - Final Year Project | IoVision

Feb 2025-Jun 2025

- Built a production-ready CI/CD pipeline with unit tests, SAST (SonarQube), DAST (OWASP ZAP), and vulnerability scans (Trivy, Snyk) — reducing production incidents by 40% and accelerating deployment by 30%
- Automated Azure infrastructure provisioning (VMs, VNets, NSGs) using Terraform, achieving full reproducibility
- Deployed and managed microservices (Node.js, React, PostgreSQL) with Ansible in Dockerized environments
- Designed complete observability stack (Prometheus, Grafana) for proactive performance and error tracking
- Integrated automated testing (Postman, Playwright) and QA workflows through Jira, improving issue turnaround time

Full Stack Developer Intern | ASM

Jul 2024-Aug 2024

- Engineered a real-time chat platform (Flutter + Spring Boot) with secure session handling and encrypted messaging
- Reinforced API endpoints and data flows, improving security & latency by 25%.
- Optimized backend query handling for faster user interactions under load
- Managed MongoDB authentication & messaging collections with controlled access policies

Full Stack & DevOps Developer Intern | TEKABDEV

Jul 2023-Aug 2023

- Delivered a containerized enterprise web system (Vue.js + NestJS) deployed with Docker Compose.
- Designed complex business modules improving process traceability and automation
- Built modular UI components that cut development time by 30% and improved UX coherence

Full Stack Developer Intern | Integration Technology

Aug 2021-May 2022

- Built a Covid-19 tracking platform (Flutter, PHP, Firebase) with real-time oxygen device geolocation and admin dashboards
- Developed a Public Incident Management System (Java/PHP) integrating live map tracking and alerts systems for faster response

Projects

AI Image Generation Platform (Midjourney/ DALL-E Clone)

- Full Stack MERN app powered by OpenAI API, enabling AI-driven image generation
- Integrated Cloudinary for secure storage and Render Cloud for automated deployment

SecretHawk-Security Automation Platform

- Developed a Python CLI + FastAPI + React solution for secret scanning and vulnerability detection
- Analyzed GitHub/GitLab repos and .zip files, delivering live Discord alerts and dashboards that cut remediation time by 50%

Education

National Engineering Degree in Software Engineering (CTI Accredited, EUR-ACE Label) Sep 2022-Jul 2025

- Private Polytechnic Institute of Advanced Sciences Sfax, Tunisia

Bachelor's Degree in Computer Science

Sep 2019-Jul 2022

- Higher Institute of Computer Science and Multimedia Sfax, Tunisia

Certifications

- **DevOps & Infrastructure:** Ansible, AWS ECS - KodeKloud
- **Monitoring & Observability:** Grafana Loki - KodeKloud
- **Systems & Administration:** RHCSA (Red Hat Certified System Administrator) - KodeKloud
- **Security:** CompTIA Security+ - KodeKloud, Ethical Hacking and IOT Cybersecurity - IT-CyberSec Expert

Languages

- **Arabic (Native)**
- **French (B2)**
- **English (B2)**
- **German (B1)**