



# Saif Eddine Keraa

## Full Stack & DevOps Engineer

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### Profile

Full Stack & DevOps Engineer focused on automation, scalability, and security. I design, containerize, and deploy production-grade systems prioritizing speed, reliability, and observability. Experienced in DevOps practices (Terraform, Ansible, CI/CD, monitoring) and cloud environments (Azure, AWS). Skilled with modern JavaScript ecosystems (React, Node.js, NestJS) to deliver clean, fast, and secure systems. Open-source contributor and author of reusable React NPM packages.

### Technical Expertise

- **Frontend:** ReactJS, Angular, Vue.js, Flutter, TypeScript, HTML5, CSS3
- **Backend:** Node.js, Express.js, NestJS, Java, Spring Boot, FastAPI, REST APIs, Microservices Architecture
- **Databases:** PostgreSQL, MongoDB, MySQL, Firebase
- **DevOps, Cloud & Infrastructure:** Docker, Kubernetes, Terraform, Ansible, ArgoCD, Helm, Linux, Bash, Nginx
- **CI/CD & Automation:** GitHub Actions, GitLab CI/CD, Jenkins
- **Cloud & Security Engineering:** AWS, Azure, DevSecOps, Cloud Security, OWASP Top 10, SAST/DAST, Vulnerability Scanning, Secrets Management
- **Monitoring & Observability:** Grafana, Prometheus, ELK Stack

### Professional Experience

#### DevOps & Full Stack Engineer - Final Year Project | IoVision

Feb 2025-Jun 2025

- Built a production-ready CI/CD pipeline using ArgoCD, unit tests, SonarQube (SAST), OWASP ZAP (DAST), Trivy and Snyk, reducing production incidents by 40% and accelerating deployment by 30%
- Automated Azure infrastructure provisioning (VMs, VNets, NSGs) with Terraform, achieving full reproducibility
- Deployed and managed microservices (Node.js, React, PostgreSQL) in Dockerized and Kubernetes-orchestrated environments using Ansible and Helm
- Designed an observability stack (Prometheus, Grafana, Loki) to monitor system health, reduce MTTR, and enable proactive alerting with Discord notifications for build and deployment metrics
- 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 encrypted sessions and secure message handling
- Reinforced API endpoints and optimized data flows, improving security and reducing latency by 25%
- Optimized backend queries to enhance user interaction speed under load
- Managed MongoDB authentication and 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 via Docker Compose
- Designed complex business modules, improving process traceability and automation
- Built modular UI components, reducing development time by 30% and improving 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, enhancing response time

## Projects

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

- Full Stack MERN application using the OpenAI API for 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

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### 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

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- **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

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