



Saif Eddine Keraa

Full Stack & DevOps Engineer



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Profile

Results-driven Full Stack & DevOps Engineer skilled in Cloud Computing (Azure, AWS), Infrastructure as Code (Terraform, Ansible), and container orchestration (Docker, Kubernetes). Skilled in Full Stack JavaScript development and in implementing secure CI/CD pipelines (unit tests, SAST, DAST, vulnerability scans). Proficient in system monitoring with Prometheus & Grafana. Familiar with Agile/Scrum methodologies, with a proven ability to deliver scalable, reliable, and high-performance applications.

Open-Source contributor and author of two NPM packages for React, demonstrating strong community engagement and commitment to best practices

Technical Skills

- **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
- **Systems & Scripting:** Linux, Bash
- **Cloud & Security:** AWS, Microsoft Azure, DevSecOps, OWASP

Professional Experience

DevOps & Full Stack Engineer - Final Year Project | IoVision

Feb 2025-Jun 2025

- Containerization of microservices using Docker & Docker Compose (multi-container setups, networks ...)
- Provisioned Microsoft Azure infrastructure (VMs, VNets, NSGs) with Terraform (IaC)
- Automated deployments of microservices (Node.js, React, PostgreSQL) with Ansible
- Designed manual test plans for front-end and back-end features
- Conducted API testing (Postman) and automated UI testing (Playwright)
- Managed full QA lifecycle (bug tracking, reporting, resolution via Jira)
- Built CI/CD pipelines (GitHub Actions) including unit tests, SAST(SonarQube), DAST (OWASP ZAP), and vulnerability scans (Trivy, Snyk) resulting in a 40% reduction in production errors and a 30% acceleration of the deployment cycle
- Implemented system monitoring with Prometheus & Grafana (dashboards and metrics)

Full Stack Developer Intern | ASM

Jul 2024-Aug 2024

- Developed a real-time chat application (Flutter + Spring Boot)
- Increased API & session security by 25% through authentication and encryption mechanisms
- Optimized backend to reduce latency and enhance user experience
- Managed MongoDB for authentication and message storage

Full Stack & DevOps Developer Intern | TEKABDEV

Jul 2023-Aug 2023

- Built scalable web applications with Vue.js (frontend) and NestJS (backend), deployed in Dockerized environments for portability and performance
- Implemented complex business CRUD features for enterprise clients, improving internal process management and productivity
- Designed and integrated responsive, reusable UI components, enhancing UX and reducing development time

Full Stack Developer Intern | Integration Technology

Aug 2021-May 2022

- Developed a Covid-19 Web & Mobile Application: built with Flutter (mobile), PHP & Firebase (backend), including an admin dashboard, real-time geolocation of oxygen devices, and healthcare connection services
- Created a Public Incident Management Platform: front-end interface, backend in Java/PHP with real-time geolocation, and interactive dashboard for incident tracking

Projects

AI Image Generation App | Clone Midjourney & DALL-E

- Developed and deployed a Full Stack MERN AI-powered image generation app powered by AI, leveraging the OpenAI API and inspired by DALL-E
- Integrated Cloudinary for media storage and deployed on Render

SecretHawk-Security Web Application

- Exposed secrets scanner with Python CLI, FastApi, React, PostgreSQL
- Analysis of GitHub/GitLab repositories and .zip files, with real-time alerts via Discord
- Interactive dashboard enabling 50% faster detection and remediation

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 (KodeKloud), AWS ECS (KodeKloud)
- **Monitoring & Observability:** Grafana Loki (KodeKloud)
- **Systems & Administration:** RHCSA - Red Hat Certified System Administrator (Simulation KodeKloud)
- **Security:** CompTIA Security+ (KodeKloud), Introduction to Ethical Hacking and IOT Cybersecurity/IoT Equipment Penetration Test (IT-CyberSec Expert)

Languages

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