Oussema Jaouadi

DevOps & Site Reliability Engineer

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Education

National Institute of Applied Science and Technologies (INSAT)   Sep 2019 – Jun 2025
Engineering Diploma in Computer Networks & Telecommunications   Tunis, Tunisia
Relevant Coursework: Web Development, Distributed systems, DevOps, System Design and Microservices, CyberSecurity, UML, Linux Administration, Big Data, Networking, Algorithms and Data Structures, Object Oriented Programming

Experience

Calgra Group 🔗   Dec 2024 – Present
SRE Engineer   Remote/UK

- Spearheaded Docker Swarm reliability engineering with failover strategies ensuring 100% uptime during peak football match traffic
- Engineered AI-powered event workflows using RabbitMQ/background workers processing real-time predictions for mobile applications
- Transformed CI/CD pipelines via GitHub Actions on Hetzner infrastructure, accelerating deployments while ensuring environment parity
- Cultivated engineering talent through internship mentorship and code review standards that elevated team output quality

Keywords: SRE, Docker Swarm, CI/CD, GitHub Actions, RabbitMQ, AI

Piterion Group 🔗   Feb 2024 – Aug 2024
DevOps Intern   Ariana, Tunisia

- Revolutionized Joomla/Camunda deployments through Ansible automation, eradicating manual errors and slashing setup time
- Pioneered internal web tool for automated Joomla content generation, replacing error-prone manual processes
- Orchestrated infrastructure migration between Docker Swarm/Kubernetes to optimize scalability-cost balance

Keywords: DevOps, Docker, Kubernetes, Ansible, Helm

Trustable 🔗   Jul 2023 – Sep 2023
CyberSecurity Intern   Tunis, Tunisia

- Reengineered Docker Swarm networks to isolate faults and enhance throughput for security-critical services
- Deployed automated vulnerability scanning system via Bash/Python scripts identifying container security gaps
- Established container hardening guidelines adopted into company security standards

Keywords: Cybersecurity, Docker, Automation, Vulnerability Scanning

Projects

DevOps Academic Project 🔗   Dec 2023
Keywords: GitLab CI/CD, Kubernetes, Flask, ArgoCD, Prometheus

- Designed production-grade Flask API with MongoDB persistence and multi-environment deployment architecture
- Instituted GitOps workflow via GitLab CI/CD + ArgoCD, eliminating manual deployment errors
- Instrumented Prometheus/Grafana monitoring to track API performance and reliability metrics

Cybersecurity Training Platform 🔗   Jun 2023
Keywords: Flask, OWASP, Nmap, Burpsuite

- Crafted OWASP Top 10 vulnerability simulation platform for security training
- Executed security assessments using Nmap, Burpsuite and Python testing automation
- Integrated robust error handling and monitoring ensuring training session reliability

Technical Skills

- **Platforming:** AWS, Azure, Hetzner, Terraform, Helm, Docker Swarm, Kubernetes
- **Site Reliability:** CI/CD, Prometheus, Grafana, Elastic, Fluentd, SAST, DAST, RBAC, Ansible, GitHub Actions
- **Web Development:** Node.js, Express, NestJS, Flask, Angular, React, PostgreSQL, MongoDB, Redis
- **Programming:** Python, TypeScript, Go, Java, C++
- **AI/ML:** BERT, LLMs (Gemini, OpenRouter, Mistral)
- **Security:** Secure Coding, Penetration Testing, Infrastructure Security

Languages

Arabic: Native Proficiency   **English:** Professional Fluency   **French:** Professional Fluency