

Louay KHOUEF

louaykharouf@gmail.com

+33 6 35 02 70 13

Montpellier , France

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Skills

- Dynatrace , Neoload , Docker , Prometheus , Grafana , AWS , GitLab , Kubernetes , AKS , Jenkins , ArgoCD ,Ansible , Terraform , SonarQube , Azure , GCP
- Dynatrace Carbon module , JoularJX , Intel PCM , Scaphandre , PowerJoular
- ReactJS , Laravel , NestJS , NodeJS , ExpressJS , SpringBoot , MySQL , MongoDB , Git , Junit , Maven
- Java , JEE , Python , SQL , C++ , C , JavaScript

Education

05/2025 – Present	PhD Student, INRIA Lille Lille , France	Optimizing software energy consumption through transformation
09/2018 – 10/2024	Network and Telecommunications Engineering Student, National Institute of Applied Sciences Technology (INSAT) Tunis, Tunisia	Engineering Degree in Network and Telecommunications with a Specialization in Cloud and Virtualization

Work Experience

02/2025 – Present	R&D Engineer, Berger-Levrault Montpellier, France	<ul style="list-style-type: none">• R&D engineer and PhD Cifre with INRIA Lille in the GreenIT Field for the subject : Optimizing software energy consumption through transformation• Gitlab, Github, Linux, AWS ...
04/2024 – 09/2024	R&D in the GreenIT Field, Berger-Levrault Montpellier, France	<ul style="list-style-type: none">• Instrumentation for energy consumption analysis and identifying energy hotspots• Comparing alternative desing solutions (e.g., RPC vs Rest, Mono vs Microservices)• Perfomance load testing for energy measurment and Application deployment on cloud and on premise• PowerJoular , Intel PCM , Neoload , Dynatrace , Java , SpringBoot , Docker , AWS , Gitlab , Scrum
07/2023 – 09/2023	FullStack , Devops Engineer, TmKiiN Dev Informatique Gabes, Tunisia	<ul style="list-style-type: none">• Development of a payment system and the Design of a CI/CD pipeline• Laravel , Docker , Scrum , Jenkins , Github , AKS (Azure Kubernetes Service) , K8S , MySQL
07/2022 – 08/2022	Web Developper, TmKiiN Dev Informatique Gabes, Tunisia	<ul style="list-style-type: none">• Develop a full web application for managing car and health insurance.• Laravel , MySQL , Scrum

Projects

01/2025	Dynatrace Deployment Gitlab CI/CD to automate the provision of an EKS cluster and the deployment of dynatrace and automate the fetching of metrics into a csv file (EKS, Gitlab CI, AWS, Terraform)
05/2024	Automation of the Deployment of a Web App on an EC2 instance Create a GitLab Pipeline to provision an EC2 instance with Terraform, configure it, and deploy a web app using Ansible. (AWS , Gitlab , Terraform , Docker , Ansible)
02/2023 – 06/2023	CloudiVops Develop a platform for creating, managing, and monitoring virtual machines on Azure.(ReactJS , MongoDB, Ansible , Terraform , Jenkins , ExpressJS , Azure , Azure Monitoring)
07/2023 – 08/2023	FilesRepo A MERN app to create and manage Azure storage via pipelines. (ReactJS , MongoDB, ExpressJS , Kubernetes , Azure , AKS, Terraform , Jenkins)
10/2023	K8S Multi-Cluster Monitoring Provision clusters, install Prometheus, deploy Grafana, and monitor with Jenkins. (Terraform , Azure , AKS, Jenkins , Prometheus , Grafana)
11/2023	Automation of Monitoring installation tools Jenkins pipeline to provision Azure VM and install Grafana, Prometheus. (Jenkins , Ansible , Terraform , Azure, Prometheus , Grafana)
04/2023	Todo - APP An app to manage tasks with an automated VM deployment pipeline.(Laravel, Azure, Jenkins, Ansible, Terraform)
01/2023	Testiny Platform for managing technical tests within a company, equipped with a fraud detection system. (ReactJs , NestJS , Python , Docker)

Certificates

- GCP Associate Cloud Engineer

Languages

- French

- English

- Arabe