

Jarboui Achraf

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Software Engineer — DevOps Cloud Enthusiast — Recent Computer Science graduate with a strong foundation in Software Engineering, specializing in software integration, DevOps, and cloud technologies. Certified in Azure AI Fundamentals, with hands-on experience in CI/CD pipelines, containerization, and infrastructure automation. Skilled in Python and C++, and passionate about building scalable, automated solutions.

Skills

Automation: Ansible

Cloud: Azure (AI Certified), AWS (Preparing for Practitioner), OpenStack

Languages: Python, Bash, Java, C++, JavaScript

Containers: Docker , Docker compose, Kubernetes

Problem Solving

Monitoring: Prometheus, Grafana

OS: Linux (Ubuntu, CentOS), Windows

CI/CD: Jenkins, azure Devops, GitLab-CI , GitHub Action

Web Development: Next.js, NestJs , ReactJs , NodeJs , HTML , CSS

DataBase : SQL , MongoDB

Experience

KPIT

DevOps Engineer

Dec 2025 – Present

- Designing and implementing CI/CD pipelines using GitLab CI/CD to automate build, test, and deployment processes.
- Containerizing applications with Docker and managing orchestration using Docker Compose and Kubernetes.
- Managing infrastructure as code with Ansible to ensure consistent and reproducible environments.
- Implementing observability solutions through Prometheus, Grafana, and ELK Stack to monitor system performance.
- Collaborating with cross-functional teams to optimize application security, scalability, and reliability.
- **Keywords:** DevOps , GitLab CI/CD, Docker, Kubernetes, Ansible , Grafana, Prometheus .

Creative Comet

Full Stack DevOps Engineer

Sep 2025 – Nov 2025

- Built and deployed the application from scratch (Next.js, NestJS, Prisma, PostgreSQL).
- Designed and implemented a 3-tier AWS architecture using EC2, RDS, and S3.
- Set up automatic EC2 vertical scaling with CloudWatch, SNS, and Lambda based on CPU/RAM usage.
- Migrated the project from OVH to AWS and optimized infrastructure for production scalability and security.
- Containerized services with Docker and automated deployments via CI/CD.
- **Keywords:** Next.Js , NestJs , PostgreSQL , AWS, Docker, DevOps , Full Stack

KPIT

DevOps Engineer intern (PFE)

Feb 2025 – Jun 2025

- Implementing a complete CI/CD pipeline for a Django application using GitLab CI/CD.
- Automating infrastructure and application deployment with Ansible and Docker Compose.
- Integrating monitoring and logging tools like Prometheus and Grafana to ensure observability.
- Enhancing code quality and security with SonarQube.
- **Keywords:** GitLab CI, Django, Ansible, Docker Compose, Grafana, Prometheus, SonarQube , security: Bandit, Safety

Primatec Engineering

DevOps Engineer Intern

Jul 2024 – Aug 2024

- Deployed and managed OpenStack using Charms, MAAS, and Juju on VirtualBox-based VMs.
- Integrated MAAS for hardware provisioning and used Juju for automated, scalable OpenStack deployment.
- Gained hands-on experience with tools like Ansible and explored various deployment strategies.
- **Keywords:** OpenStack, Charms, MAAS, Juju, Ansible

Primatec Engineering

Software Engineer Intern

Jul 2023 – Aug 2023

- Developed a dynamic sanity check dashboard with Python Dash and Plotly to monitor ECU flashing for pull requests.
- Enabled real-time visibility into the flashing process to ensure reliable testing across development stages.
- **Keywords:** Python, Dash, Plotly, Pandas

Projects

DevOps CI/CD Pipeline with Azure DevOps, Terraform, SonarQube, and Kubernetes (AKS)	Oct 2024 – Nov 2024
<ul style="list-style-type: none">– Provisioned AKS, ACR, and VMs on Azure with Terraform.– Developed Azure DevOps CI/CD pipeline for a MERN stack app with SonarQube and Trivy for security.– Built and pushed Docker images to ACR, automating AKS deployments with Kubernetes manifests.– Integrated monitoring with Prometheus and Grafana; documented project on Medium.	
DevOps CI/CD Pipeline with Jenkins, Nexus, SonarQube, Docker, and Kubernetes (AKS)	Sep 2024 – Oct 2024
<ul style="list-style-type: none">– Set up Jenkins CI/CD pipeline on Azure VM with GitHub and Nexus.– Integrated SonarQube and Trivy for code analysis and vulnerability scanning.– Automated Docker image deployment to AKS with ArgoCD for GitOps-based deployments.– Configured email notifications for real-time pipeline updates.	
CI/CD Pipeline with Jenkins, SonarQube, Docker, and Kubernetes (EKS)	Jul 2024 – Sep 2024
<ul style="list-style-type: none">– Configured Jenkins with Maven and GitHub for build and artifact automation.– Integrated SonarQube for continuous code quality checks.– Built and pushed Docker images to Amazon EKS with ArgoCD for GitOps deployments.– Automated EKS pod deployment and validated the full CI/CD pipeline.	
Development and Design Project — ENSI	Feb 2024 – May 2024
<ul style="list-style-type: none">– Developed a ChatBot application for the EIH Club, utilizing voice recognition and text-to-speech technologies.– Implemented functionalities including command classification, lighting control, music playback , image capture with background modification.– Integrated renewable energy features for solar panel orientation based on sun position tracking	
Scrum Master of an internal project — EJE	Mar 2023 – Jun 2023
<ul style="list-style-type: none">– manage and monitor all project phases, lead the project team– work as a scrum board administrator: Jira Software– Keywords: ReactJS/CSS/NodeJS	
LEO CLUB LE CAP BLANC — ENSI	03/ 2023-05/2023
<ul style="list-style-type: none">– It consists of implementing an effective and responsive web application present this club and his activities– Keywords: HTML/CSS/JS/PHP	
Management App For A Travel Agency Y (TRAVEL MANAGER) — ENSI	12/ 2022-01/2023
<ul style="list-style-type: none">– Travel-Manager is a simple cmd application for managing a travel agency written in C language. It allows you to see all the trips available between two dates and manages the dates of trips.– Keywords: C	

Education

NATIONAL SCHOOL OF COMPUTER SCIENCE (ENSI) <i>National Computer Science Engineering Degree</i>	Sep 2022 – Jun 2025
Preparatory institute for engineering studies in Sfax(IPEIS) <i>National entrance exam for engineering schools rank: 48</i>	Sep 2020 – Jun 2022

Competitions

- ENISO v7 Robotic competition-April 2023 and Enetcom Robotic competition. A line follower robot with PID control.
- ENSI Programming Challenge competition EPC 3.0 2.0

Certifications

Docker , Kubernetes , Jenkins, Git : KodeKloud
AWS Cloud Technical Essentials : Coursera

Languages

English
French
Arabic