

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

Dec 2025 – Present

DevOps Engineer

- 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

Sep 2025 – Nov 2025

Full Stack DevOps Engineer

- 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

Feb 2025 – Jun 2025

DevOps Engineer intern (PFE)

- 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

Jul 2024 – Aug 2024

DevOps Engineer Intern

- 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

Jul 2023 – Aug 2023

Software Engineer Intern

- 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**
- 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**
- 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**
- 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**
- 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**
- 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**
- 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**
- 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)** **Sep 2022 – Jun 2025**
National Computer Science Engineering Degree
- Preparatory institute for engineering studies in Sfax(IPEIS)** **Sep 2020 – Jun 2022**
National entrance exam for engineering schools rank: 48

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