Ilyes Arous

Cloud Engineering Student

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PROFILE

Cloud engineering student with a strong passion for software development and DevOps practices. I continuously seek to grow through collaborative work, problem solving, and hands-on experience.

EDUCATION

Cloud Engineering, *Private Higher School of Engineering and Technology* ↗   2023 – 2026
Computer Science, *Faculty of science Sfax* ↗   2020 – 2023

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript │ **Frameworks:** React, Angular, Spring Boot, Laravel │
DataBases: MySQL, Oracle, SQL Server, Postgres, MongoDB │ **Orchestration & Containerization:** Docker, Kubernetes │
CI / CD & VCS: Git, GitHub, Jenkins, SonarQube │ **Automation & IaC:** Ansible, Terraform │ **Virtualization:** Vagrant, KVM,
VMWare, VirtualBox │ **Cloud Providers:** AWS, Oracle Cloud Infrastructure, Azure, Openstack

CERTIFICATES

Aviatrix Multicloud Network ↗	**Oracle Cloud Infrastructure** ↗	**Amazon Cloud Operations** ↗
Associate	Associate	Trained

PROFESSIONAL EXPERIENCE

Ste-PERFAXIS, *Internship*   Sfax, Tunis
- Built a multi-tenant full-stack web application to manage internship processes for students, companies, supervisors, and universities.
- Developed modules for internship topics, assignment workflows, events, and evaluations, including automated attestation generation with company-specific templates.
- Integrated in-app messaging, shared calendar features, and Google Drive API for project submissions to enhance collaboration.
- Created interactive dashboards for real-time monitoring of internships and performance tracking.
- Applied DevOps practices: provisioned a 3-node Kubernetes cluster using Ansible, deployed the application with Docker & Kubernetes, and managed routing via Nginx Ingress.
- Used Git/GitHub for version control and team collaboration.
Technologies: React, Laravel, PostgreSQL, Docker, Kubernetes, Ansible, Git, Google Drive API

CliniSys, *Internship*   Sfax, Tunis
- Developed a full-stack web application to enhance the blood donation workflow across clinics
- Implemented a secure system for blood stock management and inter-clinic blood exchange
- Improved UX and system responsiveness through a reactive front-end architecture
- Built the front end using ReactJS, Redux, and Material UI
- Designed and implemented the back end using Spring Boot 3, Hibernate, and JPA
- Collaborated with the team using Git, GitHub, and project management with the Agile SCRUM methodology
Technologies: React, SpringBoot, SqlServer, Hibernate, JPA, Git/Github

PROJECTS

Implementation of a private cloud infrastructure, *ESPRIT*
Developed and deployed Petopia, a full-stack app for pet adoption and community building, hosted on a custom cloud infrastructure.
- Built a private cloud with OpenStack (Nova, Neutron, Keystone, etc.) on 7 laptops
- Ensured full connectivity and automated instance provisioning using Heat
- Developed app using Spring Boot (backend) and Angular (frontend)
- Containerized services using Docker and deployed on Kubernetes
- Exposed services with Ingress, and used DockerHub for image hosting
Technologies: OpenStack, Heat, Docker, Kubernetes, Angular, Spring Boot, Git/Github
GitHub Link: Petopia ↗

LANGUAGES

Arabic	**English**	**French**
Native	B2	B1