

# Ilyes Arous

## Cloud Engineering Student

✉ ilyes.arous@esprit.tn ☎ +21621503300 📍 Ariana, Tunis 🔗 LinkedIn 🐙 GitHub

### 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, Next Js, 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** 📄  
Associate

**Oracle Cloud Infrastructure** 📄  
Associate

**Amazon Cloud Operations** 📄  
Trained

### PROFESSIONAL EXPERIENCE

**Ste-PERFAXIS**, *Internship* Sfax, Tunis

- Built a multi-tenant full-stack web application using Laravel, React (TypeScript), and PostgreSQL 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**  
Native

**English**  
B2

**French**  
B1