

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, 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