Rayen Benmassaoud

Software Engineering & Cloud Computing Student | Future IT Architect

✉ benmassoudrayen7@gmail.com 📞 51631839 📍 Kelibia 📅 10 Decembre 2001 ⬡ github.com/Rayen123dev

in linkedin.com/in/benmassaoud-rayen

Profile

Cloud & DevOps Engineering student with hands-on experience in **infrastructure automation**, **CI/CD pipelines**, and cloud environments. Currently pursuing an Engineering degree in IT Architecture & Cloud at ESPRIT. Proficient in container orchestration (**Docker, Kubernetes**), infrastructure as code (**Ansible**), and continuous integration tools (**Jenkins**). Seeking a summer internship to leverage and expand my expertise in cloud DevOps, **automation**, and **infrastructure orchestration** while delivering value through efficient, scalable system design.

Skills

Cloud & Infrastructure
- Cloud Platforms: OpenStack , AWS
- Virtualization: KVM, Vagrant, Docker, Kubernetes
- Configuration Management: Ansible
- CI/CD: Jenkins, SonarQube
- Monitoring: Basics of Prometheus, Grafana

Development
- Languages: Python, Java, Bash scripting, PHP
- Frameworks: Spring Boot, Angular, React, Flutter
- Web Technologies: HTML, CSS, JavaScript
- Databases: MySQL, Firebase, CouchDB

Operating Systems
Linux Administration: Ubuntu, CentOS, Alma, Kali Linux Security
Implementation & Hardening

Education

Engineering Degree in Computer Science (IT Architecture & Cloud), 09/2023 – present
Private Higher School of Engineering and Technology (Esprit) Tunis, Tunisie
- Specialized in cloud infrastructure, DevOps methodologies, and system architecture

Bachelor's Degree in Software Engineering and Computer Systems, 09/2020 – 05/2023
Higher Institute of Information and Communication Technologies (Istic) Borj cedria, Tunisie
- Focused on software development methodologies and system design

Projects

Private Cloud Implementation
- Deployed a private cloud environment using **OpenStack** (Dalmatian release)
- Configured compute, storage, and networking services
- Implemented role-based access control and resource quotas

Containerized Microservices Application
- Designed and implemented a microservices architecture using **Docker** and **Kubernetes**
- Set up CI/CD pipeline with **Jenkins** for automated testing and deployment
- **Monitored** application performance and resource utilization

Infrastructure as Code Project
- Automated infrastructure provisioning using **Ansible playbooks**
- Implemented idempotent configuration management
- Created self-healing infrastructure with **monitoring integrations**

AI-Integrated Web Application Deployment
Developed a full-stack web application using **Spring Boot** (backend) and **Angular** (frontend)
Integrated **AI-based features** for intelligent data processing and user recommendations
Containerized the application using **Docker** and deployed it into a **Kubernetes** cluster
Ensured **scalability**, availability, and automated rollout via **Kubernetes deployment** strategies

Professional Experience

DevOps Intern 07/2024 – 08/2024
- Implemented **CI/CD pipelines** using **Jenkins** for automated testing and deployment BTK, Tunisie
- Performed static code analysis with **SonarQube**, improving code quality by reducing technical debt
- Automated environment provisioning using **Vagrant**, reducing setup time by 70%
- Containerized legacy applications using **Docker**, simplifying deployment across environments
- Devoloped application web using **React JS**

Development Intern 02/2023 – 05/2023
- Developed cross-platform applications using **Flutter** and **Angular** and **Spring Boot** Horizon-Data, Tunisie
- Integrated **cloud storage solutions** for image processing applications
- Implemented **IoT solutions** using ESP32-CAM with Node-RED automation
- Implemented IA solution using **Face-Recognation** and **NumPy**
- Collaborated in an **agile** team environment using **Git** for version control

Web Development Intern 07/2022 – 08/2022
- Developed web applications using **React** frontend and **PHP** backend Centre Informatique du
- Implemented responsive design principles for **cross-device** compatibility Ministère de la Santé
  Tunisie, Tunisia

Languages

- French
- English
- Arabic