

AHMED HABIB MEZNI

IT Architecture & Cloud Computing Engineer | DevOps & Cloud Engineer

✉ ahmedhabibmezni@gmail.com ☎ +216 29 09 61 79 📍 Manouba, Tunisia

🌐 linkedin.com/in/ahmedhabibmezni 🐙 github.com/ahmedhabibmezni 🌐 Portfolio

PROFESSIONAL SUMMARY

IT Architecture and Cloud Computing Engineer specializing in DevOps automation, cloud-native infrastructure, and full-stack development. Experienced with Kubernetes and OpenShift orchestration, Docker containerization, Infrastructure as Code, GitOps CI/CD pipelines, virtualization, and production-grade security, delivered end-to-end across projects from intelligent VM migration (ShiftWise) to cloud-native medical management (Dewini) and automated observability tooling.

TECHNICAL SKILLS

- **Cloud & Virtualization:** OpenShift 4.18, KubeVirt, Kubernetes, Docker, OpenStack, AWS, Linux
- **DevOps & IaC:** Ansible, Terraform, Argo CD, GitOps, CI/CD, GitHub Actions, SonarQube
- **Monitoring & Observability:** Prometheus, Loki, Grafana, Fluent Bit
- **Programming:** Java, Python, TypeScript, C, C++, C#
- **Frameworks:** FastAPI, Spring Boot, Flask, React, Angular, Symfony, .NET
- **APIs & Architecture:** REST, SOAP, GraphQL, Microservices
- **Databases & AI/ML:** PostgreSQL, MySQL, Redis; scikit-learn, Celery, Python ML
- **Security:** JWT, RBAC, pfSense, Cryptography
- **Version Control & Methodologies:** Git, GitHub, Agile, Scrum, Kanban, Jira

WORK EXPERIENCE

Cloud Engineering Intern (Final-Year Project) - Next Step 01/2026 - 07/2026

Charguia, Tunisia

- Delivered ShiftWise end-to-end during a 6-month final-year engineering internship, from requirements analysis to production deployment on a bare-metal OpenShift 4.18 cluster, following a Kanban workflow tracked in Jira

Freelance Software Developer - SPR01 Startup 09/2025 - 10/2025

Tunis, Tunisia

- Engineered a RESTful API (Spring Boot, Java) generating QR codes with UUIDs for secure member identification, with real-time payment validation at 99% accuracy, reducing manual data entry by 75%
- Unified the QR scanning mechanism with the Angular manager interface, cutting manual intervention by 3 hours weekly for 200+ users

IT Intern - Information Systems Department 07/2025 - 09/2025

ESPRIT, Ariana, Tunisia

- Built and deployed centralized log monitoring with Fluent Bit, Loki, and Grafana across 3 services, improving observability by 40%
- Configured custom dashboards for real-time performance tracking, reducing incident response time by 60%
- Containerized the monitoring stack with Docker, reducing deployment time by 50% and enabling dynamic scaling for 1,000+ concurrent users

IT Administrative Intern 06/2024 - 09/2024

ESPRIT, Ariana, Tunisia

- Managed 500+ admission files and optimized workflows, reducing processing time by 25%
- Enhanced the computerized document verification system, improving accuracy by 30% for 200+ students

PROJECTS

ShiftWise - Intelligent Multi-Hypervisor VM Migration Platform to OpenShift 01/2026 - 07/2026

- Developed a full-stack platform (FastAPI, SQLAlchemy, PostgreSQL, Redis, Celery, React/TypeScript) discovering and migrating VMs from 7 sources (VMware, Hyper-V, KVM/QEMU, Proxmox VE, oVirt/RHV, physical Linux P2V) to OpenShift Virtualization (KubeVirt) via a compatibility engine combining rule-based checks with a scikit-learn Random Forest classifier
- Deployed on a bare-metal OpenShift 4.18 cluster via GitOps (Argo CD); hardened for production (JWT, encrypted credential vault, RBAC) and reached ~85% test coverage through a GitHub Actions/SonarQube CI/CD pipeline

Dewini - Cloud-Native Medical Management Platform 10/2024 - 05/2025

- Architected and deployed a full-stack, cloud-native application serving 1,000+ users for medical appointment scheduling
- Implemented a microservices architecture with Spring Boot and Angular on Kubernetes, achieving 99.5% uptime and 500+ daily transactions
- Orchestrated CI/CD pipelines with Docker and Ansible, decreasing deployment time by 75%

EDUCATION

Engineering Degree in IT Architecture and Cloud Computing 09/2021 - 07/2026

ESPRIT School of Engineering, Ariana, Tunisia

Baccalaureate Degree 09/2017 - 06/2021

Lycée de la Manouba, Tunisia

CERTIFICATIONS

AWS Academy Graduate - Cloud Foundations (10/2025) • AWS Academy Graduate - Cloud Security Foundations (10/2025) • Aviatrix Certified Engineer - Multicloud Network Associate (09/2025) • CCNA - Switching, Routing and Wireless Essentials (05/2024) • Hashgraph Developer Course (11/2025)

LANGUAGES

Arabic (Native) • English (B2) • French (B2)