TARMIDI Mohammed-Reda

Cloud & DevOps Engineering Student | Seeking PFA Internship | AZ-104 Certified

📞 +212 708340470   in linkedin.com/in/mtarmidi/

✉ mohammedredatarmidi@gmail.com   🌐 tarmidi.space/

PROFILE

Cloud & DevOps Engineering student, Microsoft **Certified** Azure Administrator (AZ-104), with practical **freelance** and **corporate** experience. Passionate about **cloud computing**, **automation** and **infrastructure as code**. Seeking to contribute to an innovative team while continuously improving skills in a stimulating environment.

EDUCATION

Second Year Engineering Cycle – Networks, Systems, and Programmable Services Major 📅 2023-2025
National School of Applied Sciences, Marrakech (ENSA Marrakech)

General and Technical Courses 📅 2021-2023
National School of Applied Sciences, Marrakech (ENSA Marrakech)

International Baccalaureate – French Option, Mathematics A 📅 2020-2021
Annajah School Group

PROFESSIONAL EXPERIENCES

Freelancer | DevOps & Cloud Engineer
Beladed, California - United States Full Remote *December 2024 - Current*
- Deployed a serverless backend using **Azure Container Apps** and **Docker**.
- Built and optimized **CI/CD pipelines** with **Azure DevOps**, orchestrating development, testing, and production environments.
- Reduced **cold starts,** optimized **resource utilization**, and **monitored** systems using **Azure Monitor** and **Application Insights**.
- Deployed and managed infrastructure using **Azure Bicep** and **Terraform**.
- Configured **DNS** with **Cloudflare**, **managed SSL certificates**, and performed **API endpoint testing** with **Postman** and **K6**.
- **Deploying** Beladed Live API across the **MENA region** using **Azure Arc-enabled Kubernetes clusters**, enabling **hybrid** cloud scalability, improved **latency**, and **seamless** regional integration.

Observatory Internship – Design and Deployment of a Fraud Detection Model using Mlops
Hightech Payment Systems Worldwide, Headquarters in Casablanca, Morocco *July 2024 - Sept 2024*
- Designed and deployed an **unsupervised model** based on **autoencoders** to identify fraudulent transactions.
- Developed an **API** for real-time **predictions** in a simulated environment.
- Deployed solutions using **Minikube** (orchestration) and **MinIO** (object storage).
- Set up an automatic **retraining system**, monitored **data drift**, and significantly reduced false positives.
- Worked within a multidisciplinary team, collaborated with experts to integrate business needs and validate the technical solution.

PROJECTS

Design and Deployment of a Serverless Booking Management API with Automated Notification System – Freelance
- **Designed** and **deployed** a **serverless API** using **Azure Functions**, integrated with **SendGrid** for automatic user notifications.
- Automated the infrastructure with **Terraform** and secured the **API** using **Azure API Management**.
- Set up **CI/CD** pipelines with **Azure DevOps** for multi-environment **deployments** (Development, Testing, Production).

Development of a Hybrid Cloud Compliance Audit Engine (ISO/GDPR) – Semester-End Project
- Developed an **audit engine** combining static analysis **(Terraform, JSON files)** and **dynamic analysis (Azure SDK)** to ensure cloud resource **compliance**.
- Completely rebuilt the **backend** using **Node.js** (RESTful API) and **developed** an interactive **ReactJS** frontend to visualize compliance gaps.
- Integrated **automated CI/CD** processes for **continuous auditing**, **testing**, and **deployment**, following a **DevSecOps** approach.

CERTIFICATIONS

- Microsoft Azure Administrator Associate **(AZ-104)**
- Oracle Cloud Infrastructure Foundations Associate

TECHNICAL SKILLS

Cloud Providers
Microsoft Azure | Amazon Web Services | GCP | ORACLE

Containerization & Orchestration
Docker | Docker Compose | Docker Swarm | Kubernetes | ArgoCD

CI/CD
Git/Github | Gitlab-Ci | Bitbucket | Jenkins

Infrastructure as Code & Configuration as Code
Terraform | Ansible

Monitoring & Performance Management
Zabix | Grafana | Nagios | Prometheus

Scripting
Bash | Powershell | Python

System Administration
Linux | Windows | Active Directory | openLDAP

Software Engineering
MERN Stack | Java | C++ | PHP | KOTLIN

Machine Learning
Supervised / Unsupervised Learning | TensorFlow | LLM

EXTRACURRICULAR ACTIVITIES

- **Team Leader** – Networks, Systems, and Programmable Services Club
- **Head of Graphic Design** – ENSA Marrakech Junior Enterprise Club
- **Member** – Communication and Media Cell, Young Moroccan Leaders Club – ENSA Marrakech

SOFT SKILLS

- Leadership and Teamwork
- Problem Solving
- Critical Thinking
- Adaptability

LANGUAGES

- **Arabic :** Native
- **French :** Fluent
- **Anglais :** Competent

INTERESTS

- **Sports:** Volleyball,Football,MMA and Chess
- **Hobbies:** Philosophy and Reading