Salem **Affes**

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Education

ESPRIT Private Higher School of Engineering and Technology. — *Tunisia*
BCS in Software Engineering — *2019 – 2022*

Higher Institute of Computer Science and Multimedia of Sfax — *Tunisia*
BCS in Computer Science and Multimedia — *2015 – 2019*

Majida Boulila High School — *Tunisia*
Baccalaureate in Computer science — *2011 – 2015*

Experience

Spark-it — *Tunisia*
DevOps Engineer — *Apr 2023 – Present*
- Established HA HashiCorp Vault cluster for secure centralized secrets.
- Efficiently managed AWS and Azure resources, optimizing costs.
- Reduced MTTR by 70% via externalized containerized app configuration.
- Enhanced Jenkins, increasing CI/CD reliability by 25% and portability by 60%.
- Created robust Terraform-based solutions, including GitLab CI pipeline templates.
- Implemented containerized monitoring with Prometheus, Grafana, and GitLab CI.

Spark-it — *Tunisia*
Cloud Engineer & DevOps Consultant (IQVIA) — *Aug 2022 – Mar 2023*
- Consulted on Azure cloud resources and data engineering workflows optimization.
- Automated Azure Synapse ETL deployments using Terraform and Azure DevOps.
- Established proactive data oversight with customized Azure monitoring tools.
- Strengthened user access control and governance using Infrastructure as Code (IAC).
- Implemented robust security measures with Azure Key Vault and DevOps pipelines.

Stark — *Tunisia*
DevOps Engineer — *Feb 2022 – Jul 2022*
- Enhanced Docker and Kubernetes configurations for efficient containerization process.
- Customized Helm chart for precise K8s manifest automation aligned with Stark's requirements.
- Automated ACR and AKS provisioning with Terraform, achieving rapid cloud migration.
- Implemented enhanced security measures and threat mitigation for future attack prevention.

Skills

Containerization:	Docker, Kubernetes, Docker-Swarm, Helm
IaC & CaC:	Terraform, Ansible
Data:	MS SQL Server, MySQL, Databricks, Azure Data Factory, Azure Synapse, Redis
Project Management:	Git SCM, Agile, Scrum
Microsoft Azure:	Event Hub, Stream Analytics, AKS, Container Registry, Key Vault
Scripting & Automation:	Go, Shell, Python, Groovy, Makefile
Monitoring:	Elasticsearch, APM, Kibana, Prometheus, Grafana
CI/CD:	Azure Pipelines, Github Actions, Gitlab CI, Jenkins
Security:	Trivy, Hashicorp Vault, Kube-bench

Certifications

AZ-400 — *Sep 2023, Sep 2024*
Microsoft Certified: DevOps Engineer Expert
https://learn.microsoft.com/en-us/users/salemaffes/credentials/aa66f75b19151436

AZ-900 *May 2022*

Microsoft Certified: Azure Fundamentals *https://www.credly.com/badges/43bba1e6-6930-4f5e-a395-dc91216fe92f*

AZ-204 *Dec 2021, Dec 2024*

Microsoft Certified: Azure Developer Associate *https://www.credly.com/badges/af329b3f-6be4-4894-bef8-9c29a48699ec*