# MOETEZ AFIF

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## TECHNICAL SKILLS

**DevOps, Infrastructure:**  Jenkins, Kubernetes, Github Actions, ArgoCD, Vault
**Design and Modeling Tools:**  Design Patterns, UML, System Design, Distributed Systems and Databases, SDLC, Infrastructure as Code, Service Mesh, DevSecOps Practices, GitOps
**Programming and Script Languages:**  Python, JavaScript, TypeScript, C++, Bash
**Cybersecurity:**  SAST, DAST, Sonarqube, Secure Coding, Web Application Penetration Testing, Linux and Windows Security, Infrastructure Security, RBAC, ABAC and Role Binding
**Certifications:**  Certified In Cybersecurity (ISC)² – May 2024

## PROFESSIONAL EXPERIENCE

**Cytailor, Tunis, Tunisia: DevSecOps Enginner**                                                  Oct 2024 – Present
- Architecting, configuring, and deploying **HashiCorp Consul** as a service mesh and service discovery solution, enhancing inter-service communication and observability within a **Kubernetes** cluster.
- Providing **consultation** and contributing to external projects by implementing **DevSecOps** practices tailored to client needs, ensuring seamless integration into existing workflows.
- Strengthening enterprise security posture and ensuring high availability of **microservices** and applications through proactive monitoring, threat mitigation, and infrastructure optimization.
- Designing and implementing automated **CI/CD** pipelines with integrated security checks to streamline development processes and reduce deployment risks.

**Cytailor, Tunis, Tunisia: DevSecOps Enginner Intern**                                          Feb 2024 – Aug 2024
- Streamlined **CI/CD pipelines** for multiple **microservices** by implementing a **GitOps** workflow using **ArgoCD**, **Git**, **Helm**, **Kubernetes**, and **Vault**, resulting in more efficient and secure automated deployments.
- Automated the **vulnerability evaluation** process by integrating **external (NIST, CISA)** and **internal factors(Security Measures, Security Requirements)** into CVSS scoring, enhancing **risk assessment** accuracy for both internal systems and **compliance**.
- Designed and deployed a **serverless architecture** on **AWS** (**Lambda**, **S3**, **RDS**), automating the risk assessment process based on **CVSS scores**, reducing manual effort and improving scalability.
- Created real-time dashboards in **Grafana** to visualize vulnerability risk metrics for each microservice, enabling better **decision-making** through clear and actionable insights.

**Cytailor, Tunis, Tunisia: Junior Cybersecurity Consultant (Part-Time Job)**                 Sep 2023 – Feb 2024
- Contributed in consultation for an enterprise and implemented an **activity monitoring** system on Google Workspace.
- Utilized **CASB solution (GAT+)** to create a security policy for access control and data sharing.
- Developed an automated monitoring and alerting system, leveraging **Large Language Models (LLMs)** to inspect user events and detect **anomalies**.

**Cybersecurity Project (SIEM Implementation), Tunis, Tunisia: SIEM Implementation Specialist**  Specify Duration
- Implemented a **SIEM** system using **OpenSearch**, **Logstash**, and **Beats** to collect and aggregate security events from multiple sources, including **AWS CloudWatch**, **pfSense**, Snort, and **Kubernetes**.
- Created custom correlation rules within OpenSearch to identify and link suspicious activity across different data sources, optimizing detection of potential threats.
- Configured real-time **alerting** to notify the security team of high-priority incidents, enhancing the incident response capabilities.
- Integrated and fine-tuned **Snort** and **pfSense** logs for comprehensive monitoring, ensuring thorough coverage of network and security events.

## EDUCATION

**Telecommunications Engineering (ICT)**                                                         Sep 2021 - Sep 2024
Higher School of Communications of Tunis (SUP'COM)
**Relevant coursework**: Cybersecurity, Machine Learning, Networking

**Physics Pre-Engineering** Sep 2019 - Sep 2021
Engineering Prep Institute of Monastir (IPEIM) 19/860
**Relevant coursework**: Algebra, Physics, General Mechanics, Python, French, English

## ACADEMIC PROJECTS

**Anomaly Behavior-Based Intrusion Detection System (IDS)** Fall 2023 – Spring 2024
Developed an IDS using the CICIDS 2017 dataset and machine learning models to detect network attacks.

- **Cleaned** and **preprocessed** the **CICIDS 2017 dataset**, ensuring data quality and feature extraction for optimal model performance.
- Implemented and tested multiple machine learning models, including **Random Forest**, **Convolutional Neural Networks (CNN)**, and **Decision Tree**.
- Conducted comparative analysis of models based on key performance metrics: **accuracy**, **precision**, recall, and **F1-score**.

## OTHER WORK EXPERIENCE

**6NLG(2SB) - SUP'COM, Tunis, Tunisia: Netskope Implementer Intern** Sep 2022 – Dec 2022

- Implementation of robust **cloud security** and data protection using Netskope's **Cloud Access Security Broker CASB**, **SWG**, and **ZTNA** solutions.