MOETEZ AFIF

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TECHNICAL SKILLS

DevOps, Infrasctructure: 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   Sep 2024 – Present
- Configured and deployed **HashiCorp Consul** as a service mesh and service discovery solution within a **Kubernetes** cluster, enhancing inter-service communication and observability.
- Implemented **Consul Connect** to secure service-to-service communication through mutual TLS, providing end-to-end encryption and access control within the Kubernetes environment.
- Set up **Consul's KV store** for centralized configuration management, allowing dynamic and consistent updates across microservices.
- Utilized **Consul's health checking** and monitoring capabilities to ensure high availability and resilience of services within the cluster.
- Integrated Consul with **Kubernetes** for seamless workload discovery and synchronized service registration, enabling dynamic scaling and efficient traffic management.
- Configured **Consul ACLs** (Access Control Lists) to enforce fine-grained permissions, enhancing security and compliance within the cluster.
- Automated deployment and scaling of Consul agents across nodes to ensure redundancy and reliability of the **service mesh**.

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.