MOETEZ AFIF Portfolio

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github.com/moetezafif-git •

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   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, and integrating with **HashiCorp Vault** for secure PKI management.
  • 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.
  • Configuring a **Public Key Infrastructure (PKI)** for a **Kubernetes** cluster using **HashiCorp Vault** to enable secure communication with automated certificate management and secret rotation.

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.