

Lamhafad Yahia

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EXPERIENCE

Intelcia IT Solutions

Software Engineer Intern

Jul-Aug 2023, Casablanca, Morocco

Unit testing

- During my summer internship, I took on unit testing responsibilities for a significant project.
- Utilizing my knowledge of the Spring framework, I created comprehensive unit tests using JUnit to maintain the project's integrity.
- Engaged in a dynamic scrum environment, I gained valuable experience and actively participated in daily meetings.

Projects

Hotel Reservation backend system

Golang, MongoDB, Docker

- Created a hotel reservation system with Golang, facilitating booking, reservation management, and availability viewing.
- The system features robust backend functionality including authentication, data storage, and API integration for a seamless user experience.

Kubernetes CI/CD pipeline with GKE

Jenkins, Docker, K8s, GCP

- Developed a CI/CD pipeline with Jenkins and GKE, automating build/deployment. Configured dynamic agent pods via Kubernetes and integrated GitHub for automated triggers and artifact storage.

Securing a CI/CD pipeline with SCA, SAST tools (AWS)

Jenkins, Sonarqube, Trivy, Owasp

- Developed a CI/CD pipeline using Jenkins, incorporating SAST and SCA for improved code quality and security. Automated testing and Docker image creation, followed by deployment to AWS EC2. Managed image storage and distribution via Docker Hub.

CyberRange infrastructure automation in AWS

Terraform, Ansible, Packer, Docker

In progress,

- Designed and implemented an automated CyberRange infrastructure in AWS using Terraform, Ansible, Packer, and Docker. The project focused on creating a scalable and efficient environment for cybersecurity training and simulation, automating the deployment, configuration, and management of the infrastructure.

Sharded maps: Distributed Key-value store

Golang

- Developing an HTTP API for a distributed HashMap using Golang, implementing consistent hashing for sharding, and ensuring concurrency with atomic operations. Designed to handle efficient data distribution and fault tolerance across multiple machines

SUMMARY

Highly motivated Software Engineering student with a strong passion for learning and exploring new technologies. Eager to dive deep into the world of DevOps, bringing a proactive attitude and an interest in automating and optimizing software development processes.

SKILLS

Back End	JAVA, C++, Go, Python
DBMS	Oracle, Postgres
OS	Linux(CentOS, Ubuntu)
DevOps	Git, Docker, Jenkins, GitLab, Ansible, Vagrant, Terraform, K8s
Cloud.	AWS, GCP

EDUCATION

Mohamed 6 International Academy of Civil Aviation Casablanca, Morocco
Software Engineer Student

Lycée Mohamed V Casablanca, Morocco
Mathematics and physics (MP)

LANGUAGES

- Arabic
- English
- French

CERTIFICATIONS

Google Cloud February, 2024
Certified Associate Cloud Engineer