

HOUSSEM ZEMNI

DevOps Engineer

@ houssem_zemni@outlook.com

(+216) 92 762 884

Moufida Bourguiba college, Monastir

Tunis, Tunisia

linkedin.com/in/houssem-zemni/

• Permis B



PROFESSIONAL EXPERIENCE

DevOps Engineer - QA automation

STMicroelectronics

Since November 2021

Tunis, Tunisia

- Lead the validation and automation of security features within the STM32CubeProg tool.
- Partner with the Dev team and ensure continuous engagement and remove blockers to progress by establishing effective communication and knowledge sharing strategies.
- Architected a new **Python** test framework supporting cross-platform testing Using **JSON** format and **MongoDB** for data handling to reduce Manual MS Excel Logging.
- Designed and implemented a dashboard using **React.JS** and **Django** to visualize data stored in MongoDB, decreasing time to deliver every automated-tests status by over 10 times.

QA automation Intern

STMicroelectronics

March 2021 – September 2021

Tunis, Tunisia

- Rewrote Legacy **Bash** test scripts in **Python** and refactored it to enhance its coverage by 45%.
- Designed and implemented a fully featured test suite scripts that cover STM32 Secure Programming features.
- updated the internal framework design to achieve cross-platform capabilities.

DevOps Intern

GO MY CODE

November 2020 – January 2021

Sousse, Tunisia

- architected and developed **YouBelong** E-commerce app, for Cosmetics E-Shop, using React, Django for backend and MongoDB database.
- Developed and maintained automated CI/CD pipelines for build, test, and code deploying using **Jenkins**.
- Automated servers provisioning and deployment using **Ansible**.

Software Engineering Intern

ENOVA ROBOTICS

Aout et Septembre, 2020

Sousse, Tunisie

- Writing new plugins in **Python/C++** to perform recovery after kidnapping the robot and integrate it with ROS Navigation Stack.

PERSONAL PROJECT

"Floussi" personal Income/Expenses manager

An Income-Expense management tool to handle personal cash flow and get the better experience in dealing with personal finance. The dashboard gives the ability to add, modify or remove goods and liabilities, also it gives statistical analysis of financial situation.

Python

Django

Bootstrap

PostgresQL

JENKINS

DOCKER

Pytest

AWS

EDUCATION

Electrical and Computer engineering

National Engineering School Of Monastir

2018 – 2021

Monastir, Tunisia

Preparatory studies for engineering Diploma - Mathematics

Preparatory Institute for engineering studies Of Monastir

2016 – 2018

Monastir, Tunisia

SKILLS

• Programming Languages:

C/C++

Python

JavaScript

SQL

Java

Shell

XML

YAML

• DevOps:

Git

JENKINS

Maven

Docker

Kubernetes

Ansible

AWS

• Network Systems:

UNIX/Linux

CentOS

Debian

TCP/IP

NAT

DNS/DHCP

• Test Automation:

Robot Framework

Selenium Python

Pytest

UFT

• Interpersonal Skills:

Team Work

communication

autonomy

Project Management

CERTIFICATES

- IT Support Specialist (Google)
- continuous delivery and DevOps (Coursera)
- Become a Linux System Administrator (LinkedIn)
- Using GIT For Distributed Development (Coursera)

LANGUAGES

Arabe : native language

French : fluent

English : fluent