

# Hussein Hammoud

## 👤 Profile

I am a dynamic professional with 5 years of backend development and 7 years in law enforcement, system, and network administration. I'd like to work in a healthy environment that appreciates my skills and offers avenues for growth. Proven track record in leading complex development systems and microservices. Passionate about leveraging technological solutions to improve efficiency and effectiveness in diverse operational environments. Able to thrive in challenging and high-pressure situations.

## 🏢 Employment History

### Senior Software Engineer at Saugo 360, Beirut

February 2023 — Present

*Saugo 360 is a contractor for Telus Communications Inc, a telecom operator in Canada.*

- Designed and implemented multiple micro-services with inter-service communication using RabbitMQ (RMQ).
- Developed and maintained internal systems using Python, Tornado, Flask, FastAPI, Redis, Zookeeper, and Postgres.
- Utilized CI/CD pipelines and version control with git for streamlined development and deployment processes.

### Cofounder at Synapses Technologies, Beirut

March 2023 — December 2023

*Synapses Technologies is a company that provides advanced market prediction and analysis tools.*

- Single-handedly developed a tool that helps with market predictions and analysis based on complex machine learning algorithms.
- Designed and coded the entire machine learning pipeline from the gathering the data to the final production phase.
- Generated over 80k USD in revenue in the span of 4 months since the launching of the product.
- Assisted people in getting funded accounts from FTMO and other proprietary trading firms with the help of our product.

### Fullstack Web Developer at Candidate Select

October 2020 — December 2022

*Candidate Select is a company that provides students and graduates with certificates to compare their performance on a per-subject and per-country basis.*

- Contributed to the API that is built to provide students and graduates with certificates that can be used to compare their performances on a per-subject / per-country basis.
- Developed main features for the website (such as two factor authentication, assessment center, ...) and internal systems (Flask Admin with advanced filtering techniques, automation).
- Developed some front-end features for the landing page.

## Details

Beirut  
Lebanon  
+961 70 072 344  
[hhammoud01@gmail.com](mailto:hhammoud01@gmail.com)

## Skills

Python (Programming Language)  
JavaScript (Programming Language)  
HTML & CSS  
MATLAB  
Bash (Scripting Language)  
MySQL  
Postgres  
Elasticsearch  
RabbitMQ  
Flask (Web Framework)  
Tornado  
Keras (Neural Network Library)  
TensorFlow  
Git  
Redis  
System Administration  
Machine Learning  
Windows Server  
Active Directory  
Zookeeper  
CI/CD

## Languages

Arabic  
English  
French  
German



## **Officer Engineer, Network Administrator at Signal Regiment, Lebanese Armed Forces**

May 2020 — Present

*The signal regiment ensures the availability and security of communications between different entities and special units.*

- Configured and managed network and security devices for the entire LAF network (switches, routers, cameras, network monitors, active directory).
- Installed and configured security systems in the network operation center (NOC) of the LAF.

## **Officer Engineer, Systems Administrator at Military Healthcare, Lebanese Armed Forces, Beirut**

May 2017 — May 2020

*The military healthcare provides comprehensive medical services and support to service members and their families.*

- Supported and maintained Active Directory, File Servers and Exchange servers, a health information system web application, SQL server with more than 800 users.
- Migrated the entire infrastructure to the latest Windows Server (2016 at the time) while considering the latest security standards.
- Developed and maintained scripts to automate daily tasks such as logging security events, daily backups, simulating disaster recovery scenarios, and quickly identifying and resolving database locks.

## **🎓 Education**

### **M. Sc, Communications Engineering., Technical University of Munich, Munich**

July 2018

### **Bachelor of Engineering, American University of Beirut, Beirut**

June 2015

## **★ Certifications**

### **PEN-200: Offensive Security Certified Professional**

June 2024

### **CCNA Switching, Routing, and Wireless Essentials**

July 2021

### **Various Machine Learning theoretical and applied specializations from Coursera**

## **★ Publications**

K. Zeineddine, H. Hammoud and I. Abou-Faycal, “Optimal training for non-feedback adaptive modulation over Rayleigh fading channels,” Transactions on Emerging Telecommunications Technologies (ETT).

In Press doi : 10.1002/ett.3069.



## ★ References

**Imad El Hajj**

*Saugo 360, Co-Founder*

imad@saugo360.com

**Ayman Kayssi**

*Saugo 360, Co-Founder*

ayman@saugo360.com

**Max Hoyer**

*Candidate Select, CTO*

mh@candidate-select.com