Omar CHAABOUNI

SOFTWARE DEVELOPER | AWS Cloud Architect Associate & Developer Associate | 3x AWS Certified

COMPUTER NETWORKS AND TELECOMMUNICATIONS ENGINEER SPECIALIZED IN CLOUD PLATFORMS AND IOT GRADUATED FROM INSAT IN TUNIS, TUNISIA (CARTHAGE UNIVERSITY)

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EDUCATION

National Engineering Diploma (specializing in computer networks and telecommunications)
National Institute of Applied Science and Technology (INSA Tunis, Carthage University)

09/2017 - Present   *Tunis, Tunisia*

Courses
- IoT
- Big Data
- Buisness Intelligence
- Devops
- Networks & telecoms
- Software engineering
- Cloud Computing
- Data Science

WORK EXPERIENCE

Data Engineer - AWS Consultant
Talan Consulting

09/2022 - Present   *Tunis, Tunisia*

Achievements/Tasks
- Data manipulation and worklflows managements
- Usage of : StepFunctions, Lambda, Athena, S3, EventBridge, CloudWatch, Python & SQL.

IoT engineer intern(End of studies internship)
Talan Consulting

02/2022 - 06/2022   *Tunis, Tunisia*

Achievements/Tasks
- Implementing an IoT cloud based solution for monitoring servers room with the use of the ESP32 board sensors
- Use of the NVIDIA Jetson Nano board for facial recognition
- AWS cloud architecture with use of AWS IoT Core, Kinesis Firehose, S3, SNS and OpenSearch for visualizations and dashboards etc...

IoT developer intern
Professional Management Consulting (PMC)

07/2021 - 08/2021   *Sfax, Tunisia*

Achievements/Tasks
- Development of a desktop application with Flutter providing telephone functionalities using the SIM900A card and designing, wiring, testing, interfacing, and using REST APIs.

Part time job full stack web developer
Vayetek

03/2020 - 08/2020   *Tunis, Tunisia*
Vayetek works on development of organizational and promotional solutions.

Achievements/Tasks
- Realization of the administrator part and JWT authentication in the Eventizer platform (Angular and Laravel Stack)
- Import and export in Excel files and access management.

SKILLS

AWS   Arduino IDE   Flutter   SQL   OpenSearch
Firebase   Python   Laravel   Angular   NodeJS
Java   Javascript   Github / Gitlab   C / C++   Git
Docker   Arduino   Raspberry Pi   ESP32   SIM900A

PERSONAL PROJECTS

COWS & BULLS: Reflexion game (Flutter & Firebase) (10/2021) ↗
- Puzzle game available on play store.
- Usage of Firebase Authentication for authentication and Cloud Firestore as a database.
- Usage of streams and providers.

Mobile diagnostic application and diagnostic aid concerning rheumatological diseases in favor of the institute Kassab Manouba (Flutter & NodeJs & MongoDB) (02/2021 - 05/2021) ↗
- Implementing login and register using JWT authentication and protecting routes with authentication tokens.
- Creation of patient interfaces and doctor interfaces (+12 screens).
- Implementing a machine learning model as an extension to this work. The goal is to show how efficient machine learning is in predicting if a patient is diagnosed or not based on his record data provided by "Kassab Institute".

Carpool web application (Angular & Django) (02/2020 - 05/2020) ↗
- Creation of a "hoyhoy habbatni" carpooling web application after working on its UML diagrams.
- Implemented features : Login, register, add a post, modify a post, reserve a seat, profile page etc ...

Rendez-vous vaccin (Html & CSS & JavaScript) (12/2020) ↗
- Web application to manage the covid-19 vaccination campaign in Tunisia. This project was created during a 24H hackathon. My team and I got 2nd place, and it was after that adopted and developed by the Tunisian government (evax.tn) .

CERTIFICATES

AWS Developer Associate Certificate (01/2023 - 01/2026) ↗

AWS Solutions Architect Associate Certificate (11/2022 - 11/2025) ↗

AWS Cloud Practitioner Certificate (09/2022 - 09/2025) ↗

LANGUAGES

English
Full Professional Proficiency

Arabic
Native or Bilingual Proficiency

French
Full Professional Proficiency

Spanish
Limited Working Proficiency