

Malek Laatiri

Software Engineer

Tunisia 08/09/1998

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StackOverflow: <https://stackoverflow.com/users/10554673/vinci>

English: Fluent

French: Fluent

Education (2)

HIGHER INSTITUTE OF APPLIED SCIENCES AND TECHNOLOGY OF SOUSSE

Engineer's Degree - Software Engineering

09/2020-07/2023, Sousse

HIGHER INSTITUTE OF TECHNOLOGICAL STUDIES OF SOUSSE

Bachelor of Science - Information Technology

09/2017-07/2020, Sousse

Experiences (9)

- **SofiaTech** - Software Engineer (Web developer)

11/2023- Current ,Tunis

- Developed a middleware layer using **Flask Python** to connect **IoT** devices to an information system via **MQTT** broker.

- Created backend features in **REST API** using **Flask Python** and **PostgreSQL** and **Cassandra** for **IoT** devices, deployed and managed them on **cloud** instances.

- Built frontend dashboards using **JavaScript ES6** for environment and agriculture IoT solutions.

- Prepare and review **software conceptual** and **technical** documents.

- Develop a **3D** PCB board designer application using **ReactJS**, **Three.js**, and **NestJS**. The architecture is structured as a **microservice**, incorporating **RabbitMQ** and **MongoDB** as a database.

- **Freelancer** - Remote

03/2020-05/2023,Sousse

-Freelancer since 2020, served more than 70 clients across 4 continents in **online tutoring** for **Java**, **Spring Boot**, **JavaScript**, **Python**, **UML** diagrams, technical document creation and web application development using **JavaScript**, **PHP**, **Symfony**, **jQuery** and **bug tracking**.

- **Dot-IT** - Internship

02/2023-05/2023,Sousse

-The development of a mobile application using **Flutter**, for product and price comparison with crawling and scraping techniques, empowered by artificial intelligence and **computer vision** implemented in **Python**. The backend is developed in **NestJS** Microservices, **MongoDB** and **RabbitMQ** as a broker, containerized using

Docker.

- **GPRO Consulting** - Internship

07/2022-08/2022, Sousse

-The development of an intelligent web application for invoice management, using **NestJS REST API**, **MongoDB** and **ReactJS**, integrated with OCR and NLP models implemented in **Python**.

- **Cyber Division** - Internship

08/2021-09/2021, Sousse

-The development of task and time tracking following Scrum web application using **NestJS GraphQL**, **MongoDB** with frontend developed using **ReactJS**.

- **Dot-IT** - Internship

02/2020-05/2020,Sousse

-The development of a project management web application follows Scrum principles, using **Symfony (PHP) REST API**, **MySQL** and **ReactJS**.

- **Proxym Group** - Internship

06/2019-07/2019,Sousse

-The development of Time, Resource and HR Management web application in **Symfony (PHP)**, **MySQL**, **JQuery**.

- **Dot-IT** - Internship

01/2019-02/2019,Sousse

-The development of a real estate business management web application using **Symfony (PHP)**, **MySQL**, the frontend in **HTML** and **JavaScript**.

- **Blachere Illumination** - Internship

01/2018-02/2018,Sousse

-The integration of **PSD** to **HTML**, **CSS**, **JavaScript**, **PHP** and **MYSQL** web application.

Certifications (8)

EF SET English Certificate 69/100 (C1 Advanced) - EF Standard English Test 04-2024

Data Analyst - Udacity 12-2022

Programming for Data Science with Python - Udacity 12-2022

The AWS Machine Learning Foundations - Udacity 12-2022

Introduction To Programming Using Java - Microsoft 06-2019

Introduction To Programming Using Python - Microsoft 06-2019

Database Administration Fundamentals - Microsoft 06-2019

Introduction To Programming Using JavaScript - Microsoft 06-2019

Full Stack At One Million Arab Coders - Udacity 06-2019