



# HADIL MSADAK

Software engineer  
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## PROFESSIONAL PROFILE

Holder of a degree in Computer Engineering from the **National School of Engineers of Tunis (ENSIT)**, specialized in **Software Engineering**, I recently completed my end-of-studies internship at **KPMG Tech-Solutions**. I am currently actively seeking a position as an engineer to apply my expertise in Software Engineering.

## EDUCATION

<b>National School of Engineers of Tunis (ENSIT)</b> Engineering degree in Computer Engineering	2021 - 2024
<b>Preparatory Institute for Engineering Studies of Tunis (IPEIT)</b> Preparatory cycle for engineering studies  Ranked among the top 20% in the national engineering entrance exam	2019 - 2021
<b>Lycée La Liberté in Mhamdia</b> Baccalaureate in Experimental Sciences  Graduated with honors (Mention Bien)	2018 - 2019

## WORK EXPERIENCE

<b>KPMG Tech-Solutions</b> Technical Consultant, Intern	February 2024 - June 2024
<ul style="list-style-type: none"><li>• Design and development of an EDI module for automated data exchange within the ERP Dynamics 365 Finance Operations.</li><li>• Implementation of an automated workflow for managing orders, invoices, and shipping notices.</li><li>• Collaboration with business teams to tailor EDI solutions to clients' specific needs.</li></ul> <p><b>Technologies used:</b> Dynamics 365 FO, SQL Server, SSRS, Visual Studio, DevOps, Azure, Power Platform, X++.</p>	
<b>TABAANI</b> Software Engineer, Intern	June 2023 - August 2023
<ul style="list-style-type: none"><li>• Design and implementation of an e-learning platform for traveler hosts.</li><li>• Creation of varied educational content, including videos, quizzes, and simulations to encourage active learning.</li><li>• Implementation of progress tracking systems and skills assessment to personalize learning paths.</li></ul> <p><b>Technologies used:</b> React.js, Node.js, Firebase, Tailwindcss.</p>	
<b>TUNISIE TELECOM</b> Software Engineer, Intern	June 2022 - July 2022
<ul style="list-style-type: none"><li>• Installation and setup of Apache OpenMeetings on virtual servers, enabling web conferencing, online training, and remote collaboration.</li><li>• Configuration of virtual environments to optimize resources and ensure stable and reliable performance of web conferencing services.</li></ul>	

**Technologies used:** VirtualBox, Virtual Machine, Linux.

## ACADEMIC PROJECTS

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### Mobile Application for Job Offers and Service Requests Management

Flutter, Firebase

- Development of a mobile application for managing job offers and service requests using Flutter.
- Design and implementation of an intuitive and responsive user interface for Android and iOS.

### Web Application for Library Management

Angular, Node.js

- Development of a website for library management allowing the management of book loans, returns, and reservations.
- Design of a clear and intuitive user interface for browsing the library's catalog and managing users.

### Music Classification with Docker

Python, Flask, Machine Learning

- Development of a music classification model based on Machine Learning techniques using Python and Flask.
- Design and deployment of a RESTful API with Flask for integrating the model into external applications.

### Data Analysis and Creation of a Dashboard on the Impact of COVID-19 on the Economy

BI

- Creation of an interactive dashboard to visualize economic trends and the effects of COVID-19 using SQL Server tools SSIS, SSAS, and SSRS.

### Java Application for Library Management

Java, JavaFX

- Development of a desktop application for managing book loans, returns, and reservations.
- Use of JavaFX to create a user-friendly and interactive graphical user interface.
- Implementation of user management and book stock tracking features.
- Use of databases for storing and managing information related to books and users.

## SKILLS

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| • Microsoft Dynamics 365: Configuration, Customization, Implementation    | • Operating Systems: Linux                                    |
| • Power Platform: Power Automate  | • Mobile Development: Flutter, Ionic                          |
| • Programming Languages: X++, C, C++, Python, Java, JavaFX, Spring Boot   | • Containerization and Orchestration: Docker, Kubernetes      |
| • Web Development: HTML, CSS, JavaScript, PHP, Angular, Node.js, React.js | • Continuous Integration and Deployment: Azure DevOps, GitHub |
| • Databases: MySQL, SQLite, Firebase, SQL Server                          | • Development Methodologies: Agile, Scrum                     |