

# MELEK BOUZAYANI

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## PROFILE

Computer Science and Telecommunications Engineer, specialized in Full Stack development. Experienced in designing and building high-performance and innovative web and mobile applications. Strong interest in emerging technologies, particularly artificial intelligence, with a solid ability to lead and successfully deliver complex technical projects.

## EDUCATION

<b>Electronic Engineering “Electronics for Intelligent Systems, Big Data and Internet of Things”</b> University of Bologna, Italy	2025 – Present
<b>National Engineering Degree in Computer Science</b> , ISITCOM, Tunisia Degree obtained (Master’s level).	2022 – 2025
<b>Bachelor’s Degree in Information Systems Development</b> , ISET Djerba, Tunisia Degree obtained.	2019 – 2022
<b>High School Diploma in Mathematics</b> , El Regueb High School, Tunisia Graduated.	2019

## SKILLS

<b>Front-End :</b>	Angular, Vue.js, React.js, React Native
<b>Back-End :</b>	Node.js, PHP, Laravel, ASP.NET Core, .NET, Spring Boot, Python, MATLAB
<b>Databases :</b>	MySQL, PostgreSQL, MongoDB, Redis, MariaDB, Oracle
<b>Systems / Servers :</b>	Linux, NGINX, Apache, AWS, Azure
<b>DevOps :</b>	Docker, Jenkins, Kubernetes

## EXPERIENCE

<b>AI Intern</b> Mobelite	Feb. 2025 – May 2025 <i>Monastir, Tunisia</i>
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- Designed and developed a **multi-agent system** to automate and optimize legacy application migration.
- Implemented solutions based on **LLMs** and **CrewAI** to orchestrate and coordinate agents throughout the migration process.

<b>Full Stack Developer</b> DediXcode	Aug. 2023 – Present <i>Sousse, Tunisia</i>
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- Designed and developed a streaming solution based on **FFmpeg**, enabling content delivery and management using **Node.js**, **Express.js**, **EJS**, **Sequelize**, **Redis**, **PM2**, **MySQL**, and **NGINX**.
- Developed an administration panel to manage resellers and subscriptions for a standalone streaming platform using **Node.js**, **Express.js**, **EJS**, **Redis**, **PM2**, **SQL**, and **MySQL**.

<b>Full Stack Developer</b> Trios Web	Oct. 2022 – Aug. 2024 <i>Sousse, Tunisia</i>
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- Developed and maintained multiple web platforms using **Laravel**, **Vue.js**, **Angular**, **Nuxt.js**, **PHP**, **AJAX**, **Tailwind CSS**, **SQL**, and **MySQL**.
- Built statistical modules, fixed bugs, and improved performance for CRM systems and business platforms.
- Contributed to the design of SaaS solutions: investment platforms, loyalty systems, appointment scheduling, and delivery tracking systems.

## Full Stack Developer

*Freelance*

- Designed and developed custom web and mobile solutions: booking systems, IT dashboards, rental platforms, and machine fleet management systems.
- Developed applications using **PHP**, **React.js**, **React Native**, **Node.js**, **Express.js**, **Spring Boot**, **AngularJS**, **HTML5**, **CSS3**, and **MySQL**.

## Full Stack Developer Intern

Feb. 2022 – Jun. 2022

Tunvita

*Zarzis, Tunisia*

- Designed and developed a web and mobile application for logistics and transportation using **ASP.NET Core**, **C Sharp**, **Vue.js**, **Vuex**, and **Ionic**.

## Full Stack Developer Intern

Jun. 2021 – Sep. 2021

Station NeoLedge

*Zarzis, Tunisia*

- Developed a web application for managing interns and internship requests using **ASP.NET Core**, **C Sharp**, **Vue.js**, **Vuex**, and **SQL Server**.

## PROJECTS

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- **modelitech.com** : Quote request and appointment management solution for repair shops.
- **fidclick.com** : Digital customer loyalty platform.
- **Istathmer.tn** : Investment platform connecting investors with project owners in Tunisia.
- **rephone.fr** : Network of mobile and IT repair professionals.
- **infinity-tv.tv** : Reseller management panel for a standalone streaming platform.
- **malek-bouzayani.tn** : Personal portfolio website.

## CERTIFICATIONS

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<b>Alison</b>	Introduction to Artificial Intelligence (AI)
<b>Alison</b>	Master Generative AI (Artificial Intelligence)
<b>HP</b>	AI for Beginners
<b>HP</b>	Data Science & Analytics
<b>MTA-98-381</b>	Introduction to Programming using Python
<b>MTA-98-382</b>	Introduction to Programming using JavaScript
<b>MTA-98-388</b>	Introduction to Programming using Java
<b>MTA-98-364</b>	Database Administration Fundamentals
<b>MTA-98-361</b>	Software Development Fundamentals

## LANGUAGES

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**Arabic** : Fluent — **French** : Fluent — **English** : Intermediate