

# Mohamed Mounib MADANI

## Software engineer

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Software engineer passionate about the design of distributed and intelligent software architectures. My background combines solid expertise in programming, cloud computing, and system security with a growing interest in emerging technologies such as artificial intelligence. My goal is to contribute to applied research focused on integrating AI into next-generation software and network environments.

WORK EXPERIENCE	ENGINEER - FULLSTACK DEVELOPER Axess Logistique, Tunis TUNISIA High-Traffic Logistics Platform Project	Since Oct 2025
	<ul style="list-style-type: none"><li>Participated in the design and development of a logistics management application used by multiple agencies and partners, handling several thousand daily transactions.</li><li>Contributed to software architecture, backend performance optimization, and the reliability of communication between microservices.</li><li>Collaborated with product, DevOps, and data teams to ensure system scalability, security, and high availability.</li></ul> <p>Technologies : Php 7.4 / Symfony 5 / React v19 / MySQL / Docker / Git hub / AWS</p>	
WORK EXPERIENCE	INTERNSHIP - FULLSTACK DEVELOPER Intercomm, Le mans FRANCE <p>Design and Development of an Innovative IoT Mobile Application Designed and developed an innovative mobile application in the field of the Internet of Things (IoT). The app enables users to efficiently control and manage a variety of connected devices at home or in the office through an intuitive and user-friendly interface. Leveraging the eWeLink API, the application integrates advanced features to enhance the user experience and provide intelligent control over IoT devices.</p> <p>Technologies : React Native / Node JS / MongoDB / Docker / Git / Sonarqube</p>	From Mar to Sep 2024
WORK EXPERIENCE	FULLSTACK DEVELOPER Xenius consulting, Tunis TUNISIA <ul style="list-style-type: none"><li>Implemented a cloud-based architecture on AWS to optimize infrastructure costs and improve application availability.</li><li>Deployed a real-time application performance monitoring system to detect and resolve performance issues proactively.</li><li>Contributed to the migration of legacy systems to a microservices architecture, enhancing scalability and deployment flexibility for new features.</li><li>Collaborated closely with business teams to analyze requirements and deliver tailored technological solutions.</li><li>Actively participated in technology watch and innovation initiatives, identifying new opportunities to enhance IT processes and system efficiency.</li></ul> <p>Technologies : Laravel9 , VueJs2 , NuxtJs, AWS</p>	From Mar 2023 to Mar 2024

WORK EXPERIENCE	FULLSTACK DEVELOPER TANITWEB, Tunis TUNISIA	From Nov 2022 to Mar 2023
	<ul style="list-style-type: none"> <li>Optimized applications performance, reducing page load times by 30%.</li> <li>Implemented a MVC architecture to enhance code structure, maintainability, and scalability.</li> <li>Managed web projects from requirement analysis to technical specification drafting.</li> <li>Developed front-end and back-end features using a variety of technologies to meet functional needs.</li> <li>Collaborated with design teams to create a modern, intuitive, and user-friendly interface</li> </ul>	
	Technologies : Php / NodeJS / MySQL / HTML5 / CSS3 / Javascript / Git	
WORK EXPERIENCE	INTERNSHIP : AI - Machine Learning Digika, Tunis TUNISIA	From Mar to Sep 2020
	<p>Intelligent Counting and Gendering Solution (Machine Learning / AI)</p> <ul style="list-style-type: none"> <li>Developed a machine learning model for automatic face detection in images.</li> <li>Trained the model on a dataset of 10,000 images, achieving 95% detection accuracy.</li> <li>Implemented an automatic person-counting algorithm for images.</li> <li>Collaborated with a team of developers to optimize application performance and reduce image processing time.</li> <li>Documented the entire development process and reported on model results and performance.</li> </ul>	
	Technologies : Tensorflow / OpenCV/ Face recognition / Raspberry pi	
WORK EXPERIENCE	INTERNSHIP : Fiber Optic Tunisie Telecom, Tunis TUNISIA	From Jun to Aug 2018
	<p>Fiber Optic Networks &amp; 4G – Network Supervision</p> <ul style="list-style-type: none"> <li>Supervised and maintained network operations to ensure maximum availability.</li> <li>Collaborated with service providers to resolve connectivity issues.</li> <li>Participated in network expansion projects to meet growing user demand.</li> <li>Worked closely with technical teams to troubleshoot and resolve connectivity problems.</li> </ul>	
WORK EXPERIENCE	INTERNSHIP : IoT GetWireless, Tunis TUNISIA	From Mar to Mai 2017
	<p>IoT Solution for Network Equipment Supervision</p> <ul style="list-style-type: none"> <li>Designed and implemented a communication architecture between network devices and the supervision application (SNMP) .</li> <li>Developed specific features for alert management and notifications.</li> <li>Conducted performance testing and optimization of the IoT supervision solution.</li> <li>Created automated fault detection features and generated incident reports.</li> <li>Collaborated with the development team to integrate new functionalities into the application.</li> </ul>	

EDUCATION AND CERTIFICATIONS	<b>National Engineering Diploma</b> – Software Engineering ESPRIT, Tunis	Feb 2025
	<b>Bachelor's Degree</b> – Computer Networks and Telecommunications INSAT, Tunis	Apr 2021
	<b>Scientific Baccalaureate</b> Graduated with Honors	
<b>Professional Certifications</b>		
	<ul style="list-style-type: none"> <li>• ( META ) React Basics</li> <li>• ( META ) React Native</li> <li>• ( META ) Advanced React</li> <li>• ( META ) Programming with JavaScript</li> <li>• ( META ) Django Framework</li> <li>• ( META ) Version Control</li> <li>• ( AWS ) Cloud Practitioner</li> <li>• ( GOOGLE ) Foundation of Cybersecurity</li> </ul>	
EXPERTISE	<b>Operating System</b>	
	WINDOWS	
	LINUX	
	<b>DataBases</b>	
	MySQL	
	MongoDB	
	Postgresql	
	<b>Programming</b>	
	Java ( Spring boot / Hibernate / Spring Data JPA / Spring MVC / Security)	
	C# (.NET CORE - ASP.NET - EF Core)	
LANGUAGES	Javascript ( Node JS / Express / React / Vue / Angular )	
	Php (Symfony / Laravel / Blade )	
	Python (Django / Flask / FastAPI )	
	Artificial intelligence / Machine Learning	
	<b>DevOps</b>	
	Git CI-CD / Maven / Jenkins / Docker / Kubernetes / AWS ( EC2, S3, Lambda )	

- Arabic – Native
- English – Professional proficiency
- French – Advanced proficiency
- Turkish – Professional proficiency

## Strengths / Key Skills

- Leadership
- Innovation
- Complex problem solving
- Fast learner
- Autonomy / Self-motivated

## Interests

- Sports: Football, Tennis, Chess
- Investments: Real estate, Cryptocurrency
- Travel: Visited 5 countries and around 20 cities

## Links

- [github.com/MedMounibMadani](https://github.com/MedMounibMadani)
- [linkedin.com/in/mohamed-mounib-madani-0b26b911a/](https://linkedin.com/in/mohamed-mounib-madani-0b26b911a/)