


Marwen Nahdi


Software Engineer


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Software Engineer with a strong passion for innovation and emerging technologies. Experienced in building scalable web and mobile applications, integrating AI-driven features, and designing robust system architectures. I thrive in dynamic environments where I can solve complex problems, deliver high-impact solutions, and contribute to cutting-edge technological projects.


Experience


-  **Full Stack Engineer**


 HeadsApp

 *Tunis, Tunisia*


Feb 2025 — Aug 2025


 - Designed and developed an intelligent e-learning platform enabling instructors to create interactive courses from PDFs converted into videos, using either auto-generated scripts, user-provided scripts, or direct audio input. Integrated live streaming and automatic quiz generation.
 - Technologies used: React, Node.js, GraphQL, MongoDB, Gemini, FFmpeg.
-  **Full Stack Developer**


 One Gate Africa

 *Remote — Tunis, Tunisia*

Feb 2022 — Jun 2022

 - Designed and developed a mobile application for private vehicle rental, including a complete workflow for handling rental requests.
 - Technologies used: Spring Boot, React Native, PostgreSQL, Flowable, Twilio, GitHub, JWT, Cloudinary, Trello.
-  **Full Stack Developer**

 SQLI Services

 *Remote — Tunis, Tunisia*

Jul 2024 — Aug 2024

 - Developed a centralized dashboard for wheat data management and visualization, using React for the frontend, PHP for the backend, and Python scripts for data preprocessing and analysis.
 - Technologies used: React, Symfony, Python, MySQL.

Academic & Personal Projects

- Detectify** — Real-time AI surveillance solution enhancing public safety through automatic detection of suspicious objects. ([Angular](#), [Spring Boot](#), [MongoDB](#), [Python](#))

Oct 2024 — Dec 2024
- SkillQuest** — Interactive mobile e-learning application enhancing learning through educational videos, quizzes, and progress tracking. ([Ionic](#), [Angular](#), [Node.js](#), [MongoDB](#))

Oct 2024 — Nov 2024

Education

- Tek-Up** — Engineering in Software Engineering and Information Systems

2023 — 2025
- Faculty of Sciences of Tunis** — Bachelor's Degree in Computer Science

2019 — 2022

Technologies

Languages: Java, JavaScript, TypeScript, Python, PHP, SQL, C++, C#
Frameworks: React, Node.js, Express, Angular, Spring Boot, Symfony, React Native, Ionic, .NET
Tools & DevOps: Docker, Kubernetes, AWS, GitLab, Terraform, Ansible
Other: FFmpeg, Gemini, GraphQL, Cloudinary, Flowable, Twilio