

# 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

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- 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

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- 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

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- 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

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- 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