

Ahmed Hrabi - Software Engineer

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Profile

I am a Full Stack Developer with a strong ability to communicate effectively with clients, understand their needs, and convert them into software systems. With a passion for web development, I am constantly learning and adapting to new technologies and methodologies. My work focuses on writing clean, modular code that follows best practices, ensuring maintainability and scalability. I also prioritize creating user-friendly and modern UIs to deliver the best user experience.

Professional Experience

Full Stack Web Developer *QuoProd - full-time*

Tunisia, Hammamet, Hybrid Mar 2025 - Present

- Contributed to the development of a custom **e-learning** platform enabling full content and learning flow management.
- Implemented multi-tenant user access with **role-based** dashboards and permissions for Admin/Professor/Student, including dedicated dashboard experiences per role.
- Built a complete **Quiz Engine** with multiple interactive formats and **automatic CEFR result classification** (A1, A2, B1, B2...):
 - Implemented question types: **Drag & Drop**, Fill in the Blanks, Word Matching, and Multiple Choice.
 - Generated CEFR-level results automatically after quiz completion based on sequential answering rules.
- Developed lesson management workflows including course structure, lesson content, and scheduled lesson instances (sessions planning and tracking).
- Created a **document library system** with folder-based organization to manage learning resources and internal documents.
- Implemented notifications with **real-time** in-app updates using **WebSockets** and email sending using reusable templates.
- Delivered dashboard analytics and statistics for admins to track engagement, progress, and performance.

Technologies and tools: NextJs, PayloadCMS, TypeScript, NodeJs, MongoDB, WebSockets, GraphQL, MantineUI.

Full Stack Web Developer *Expert Tech Consulting - full-time*

Tunisia, Sfax, Remote August 2024 - Feb 2025

- Contributed to the development of a job marketplace platform inspired by Glassdoor, featuring company profiles, job postings, and employee review.
- Built a robust candidature management system enabling recruiters to post job opportunities, track applications, and manage candidate interactions efficiently.
- Created custom user dashboards for employers and candidates, enhancing platform usability.

Technologies and tools: NodeJs, NestJs, MySQL, ReactJs, NextJs, Agile Development.

Full Stack Web Developer *TherapyAlign - Part-time*

Canada, Remote Mars 2024 - Mars 2025

- Spearheaded the design and development of a healthcare specialist matching application, enabling users to find and connect with the most suitable healthcare providers based on their needs.
- Led the end-to-end development of the platform, including the creation of admin and doctor dashboards, streamlining user management and improving operational efficiency.
- Designed and implemented a dynamic questionnaire system integrated with a **quota calculation engine**, ensuring **accurate matching** of users with specialized healthcare professionals.
- Enhanced user experience by integrating a filtering solution with an **interactive map view** using **LeafletJS**, allowing users to easily locate specialists and access critical information.
- Helped in the implementation of **CI/CD** pipelines on Azure.

Technologies and tools: NodeJs, Express.js (TypeScript), MySQL, Angular, NextJs, ReactJs, LeafletJS CI/CD, Gitlab-runner, Gitlab-CI, Microsoft Azure.

Full Stack Web Developer *Smart Business Challenge - full-time* **Megrine, Tunisia, Hybrid** *Nov 2022 - Feb 2024*

- Developed a **CRM platform** dedicated to Groupe STRAM (Tunisian construction organization), designed with scalability for commercialization.
- Collaborated with a marketing specialist to design and refine multi-stage customer engagement processes.
- Built a dynamic **drag-and-drop** system to improve visual workflow and user interaction.
- Introduced a media gallery module linked to project stages and statuses to enhance operational clarity.
- Designed and implemented a resume storage and candidate selection module with advanced filtering using Ag-Grid.

Technologies and tools: Symfony 3.4/5, Angular, CSS, Docker, Ag-grid, Unit tests, Jasmine, Karma, Agile Development.

Freelance

Full-Stack Developer *Tunisiacars*

Tunisia, Remote *2024*

- Built and delivered a production-ready car rental platform with an advanced car management system (cars, locations, seasonal pricing and reservations).
- Implemented dynamic **pricing** logic with **date-based seasonal rates** and locale-aware routing with fallback strategy.
- Managed media and content through a CMS, including editable email templates and custom **blocks** directly from the admin dashboard.
- Delivered a modern admin experience: bilingual dashboard (French/English) with Payload i18n, custom admin UI components, and Live Preview across mobile/tablet/desktop breakpoints.
- Improved **SEO** and **performance** via metadata + Open Graph + structured data, sitemap generation, optimized image delivery, and a hybrid Next.js strategy (SSG/SSR).

Technologies and tools: NextJs, PayloadCMS, Shadcn, Docker.

Angular Developer *Masarat - Freelance*

Saudia Arabia, Remote *2024*

- Contributed to the front-end development of platform for comparing medical insurance that supports RTL.
- Re-styled and re-designed the user interfaces to enhance usability and aesthetics, ensuring a modern and visually appealing experience, including full **RTL** support for Arabic users.
- Redesigned complex Angular Material tables with nested sub-tables into a clean, responsive Bootstrap version.
- Re-factored existing code to improve performance, maintainability, and scalability.

Technologies and tools: Angular, CSS, Bootstrap, Docker.

Online Courses & Certifications

- Server-side Development with NodeJS, Express and MongoDB. (Aug 2021) Coursera
- Microsoft Technology Associate: Database Fundamentals. (Jun 2018) - MTA

Education

National Engineering Diploma of Software Engineering

Sep 2019 - Sep 2022

- Higher Institute of Applied Science and Technology of Sousse - Tunisia

Erasmus Exchange Program

Sep 2017 - Feb 2018

- Bialystok University of Technology - Poland

Bachelor's Degree in Computer Science

Sep 2016 - Jun 2019

- Higher Institute of Computer Science of Mahdia - Tunisia

Skills

- **Technical Skills:** Typescript, PHP, MySQL, MongoDB, Angular, Symfony, ExpressJs, NestJs, Firebase, Keycloak, RESTful APIs, CSS, TailwindCss.
- **Soft Skills:** Time and Project Management, Public Speaking, Team Collaboration.

Volunteering/Activities

C-organizer of Tunisian JavaScript Community.

- Responsible for online events management, social media content management and hosting speakers.

Jun 2021 – Dec 2022

Member of Google Student Developer Club.

- Responsible for external relations and event management.

Dec 2019 – Dec 2021

Languages

- **Arabic** [Native]
- **French** [Conversational]

- **English** [Conversational]

REFERENCES

Mr. Raouf Haouas

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