

# Mahmoud Abdelhamied

Backend Developed Node.js

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## Summary

Skilled Full-Stack Developer with expertise in the MERN stack (MongoDB, Express.js, React, Node.js). Proficient in building scalable web applications, developing RESTful APIs, and integrating front-end and back-end systems. Strong experience with database management and modern development tools like Git and Docker. Adept at collaborating with teams to deliver high-performance solutions. Passionate about continuous learning and staying up-to-date with emerging technologies.

## Professional Experience

### – Full Stack Developer using MERN (Freelance)

01/2025 – Present

*Smarch – Chalet Booking Platform*

- Developed and maintained a full-featured chalet booking platform for the Saudi market.
- Implemented backend architecture with Node.js, Express, MongoDB, and RESTful APIs.
- Built role-based access, booking, subscriptions, admin controls, and support system.
- Integrated real-time chat and notifications using Pusher.
- Contributed to React + Tailwind CSS frontend components.

### – Full stack Developer using MERN (Intern)

02/2024 – 12/2024

*ReactJS*

- Developed and deployed 3+ Web applications (Udemy Clone, Twitter, Movies website)
- Integrated third-party APIs to enhance app functionality.
- Improved app performance, reducing load time by 25%.

## Projects

### Smarch – Chalet Booking Platform (Freelance Project)

2025-Present

- **Role: Backend Lead – Full Stack Developer (MERN)**
- Worked as part of a collaborative development team to deliver a production-grade chalet booking platform for a Saudi client.
- Independently designed and developed the entire backend using **Node.js**, **Express.js**, and **MongoDB** following scalable modular architecture.
- Contributed to select parts of the frontend using **React.js** and **Tailwind CSS**, collaborating with the frontend team.
- Implemented role-based access control for admins, owners, and users.
- Developed a subscription system requiring owners to purchase a plan before listing chalets.
- Integrated **Paylink payment gateway** to handle secure online payments for subscription and booking.
- Created a booking workflow with real-time chat and Pusher integration for notifications.
- Built RESTful APIs for reservations, authentication, payments, subscriptions, and messaging.
- Delivered an admin dashboard for managing chalets, users, tickets, and approvals.
- Created a support ticketing system to streamline issue resolution.
- Currently responsible for ongoing support and continuous feature development.

### Udemy Clone

2024

- **Role: Team Leader**
- Developed a Udemy clone using **Next.js**, **Tailwind CSS**, and **Material UI** for the front-end.
- Built the back-end with **Node.js** and **Express**, ensuring efficient API routes and secure data management.
- Implemented **Real-Time Notifications** to alert users on new courses, updates, and more.
- Integrated features such as user authentication, course enrollment, and dynamic course pages.
- Ensured responsiveness and optimized performance for a seamless user experience across devices.
- You can view the live project [here](#).

## Movies Website

2024

- Developed a platform for watching films with **React.js**, **Firebase**, **Redux Thunk**, **Context API**, **Redux**, **Formik**, **Material UI**, and **Tailwind CSS**.

## Talabat E-commerce Website

2023

- Built an e-commerce website using **WordPress**, **Martfury Theme**, and **Dokan Plugin**, along with other tools for improved functionality.

## Udemy Dashboard

2024

- Created a Udemy-like dashboard using **Angular**, implementing various components such as course management, user profiles, and dashboard views.
- Utilized **Angular Material** for UI components and **Tailwind CSS** for custom styling.
- Implemented routing, state management, and data fetching from a mock backend using **RxJS** and **HTTPClient**.
- Integrated user authentication and course tracking functionality.
- Ensured responsiveness and optimized performance for different screen sizes.
- You can view the live project [here](#).

## Education

### – Full-stack Web Development Using MERN Track

05/2024 – Present

*Information Technology Institute – ITI*

- Leading the development of a Udemy website utilizing Angular & React Framework for a seamless user experience.
- Developed a Movie website utilizing React Framework and Redux for seamless user experience and optimization.

### – Software Development Fundamentals Track

11/2023 – 03/2024

*Information Technology Institute – ITI*

- Led the development of an E-Commerce WordPress website, enhancing functionality and user interface.

### – Bachelor's Degree of Civil engineering,

2014 – 2019

*South Valley University – SVU*

## Skills

### Technical Skills

**Frontend:** ReactJS, NextJs, Angular, Tailwind CSS, Material UI, HTML, CSS3, JavaScript

**Backend:** Node.js, Express.js, MongoDB, RESTful APIs

**Tools:** Git, GitHub, Figma, Postgres, GraphQL, Design Patterns, Swagger, Postman, Jasmine, Jest.

**Methodologies:** Agile Development (Scrum, Kanban)

### Soft Skills

- Problem-solving and critical thinking
- Teamwork and collaboration
- Effective communication and interpersonal skills
- Time management and organization
- Adaptability and willingness to learn
- Attention to detail and accuracy
- Creativity and innovative thinking

### Language Skills

**Arabic:** Native

**English:** B1 (Intermediate)

### Military status

Complicated

## Certifications

- **MEARN Stack Certificate** - ITI 2024
- **Software Engineering Fundamentals** - ITI 2023
- **Digital Marketing** - Google Maharat 2020
- **English Course (Level 5)** - Eighty Twenty 2022
- **ICDL (International Computer Driving License)** - Science Academy for Training, Qena 2020