

Mohamed Ahmed Hassan

Full Stack Web Developer

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GitHub: <https://github.com/m-devo>

Summary

A Full-Stack Developer leveraging a unique background to deliver exceptional software solutions. My legal training and translation experience instilled a meticulous attention to detail that I now apply to building clean, robust, and scalable web applications. This background enables me to bridge the gap between technical logic and business needs effectively. My expertise in Angular, Node.js, TypeScript, and PostgreSQL is enhanced by my ability to solve complex problems and communicate technical concepts effectively and clearly.

Technical Skills

- **Frontend:** JavaScript (ES6+), TypeScript, Angular, HTML5, CSS3, Bootstrap, Tailwind
- **Backend:** Node.js, Express.js, PHP (Laravel), RESTful APIs, Authentication (JWT, OAuth)
- **Databases:** PostgreSQL, MySQL, MongoDB, Firebase (Firestore, Authentication)
- **Tools & Platforms:** Git, GitHub, Docker, Postman, AWS, Swagger API
- **Methodologies:** Agile Development, Test-Driven Development (TDD), CI/CD

Full Stack Projects

Full-Stack Online Bookstore Platform -Angular, Node.js, MongoDB, Redis, WebSockets, RabbitMQ, Paymob

- Architected a comprehensive backend API (Node.js) featuring secure JWT/OAuth authentication, Redis caching, and node-cron background jobs for automated reports.
- Engineered a complete payment workflow by integrating the Paymob gateway and built a real-time support chat system from scratch using WebSockets.
- Developed a dynamic and responsive single-page application (SPA) frontend using Angular, featuring user dashboards, product catalogs, and a real-time shopping cart.
- Fully documented all API endpoints using Swagger to ensure clarity and streamline frontend integration.

E-Commerce Platform — Vanilla JS, HTML5, CSS3, Bootstrap, Firebase, Express, Stripe

- Developed a complete e-commerce web application from scratch, featuring product displays, a dynamic shopping cart, and user account management.
- Utilized Firebase services for core backend functionality, including real-time database management with Firestore and secure user authentication.

- Engineered a secure payment processing system by integrating the Stripe API.
- Crafted a fully responsive and interactive user interface using Vanilla JavaScript, HTML5, and Bootstrap for a seamless cross-device experience.
- GitHub: <https://github.com/m-devo/ITI-Ecommerce-Project-Vanilla-JS>

E-Commerce REST API (TypeScript & PostgreSQL) (Backend Developer Role)

- Architected and implemented a comprehensive set of RESTful API endpoints to support all front-end functionalities, including product management, user accounts, and order processing.
- Designed the relational database schema in PostgreSQL and wrote complex queries to efficiently manage data relationships.
- Secured the entire API using a JWT-based authentication system to protect routes and ensure data integrity.
- GitHub: <https://github.com/m-devo/ecommerce>

Storefront Backend API — TypeScript, Node.js, Express.js, PostgreSQL, AWS

- Architected and developed a robust, secure, and scalable RESTful API to power an e-commerce storefront.
- Built with TypeScript to ensure type safety and improve code maintainability for a large-scale application.
- The API handles core e-commerce logic, including user authentication (JWT), product catalog management, order processing, and shopping cart functionality.
- Utilized a PostgreSQL database for efficient and reliable data persistence and relational integrity.
- GitHub: <https://github.com/m-devo/Udacity-2nd-project>

Postgraduate Education

4-Month Postgraduate Diploma, Full Stack Web Developer (PHP Track)

Information Technology Institute (ITI), New Capital (Hybrid), Egypt

(July 2025 - December 2025)

- **Technologies:** HTML5, CSS3, JavaScript, TypeScript, Angular, Bootstrap, Tailwind, Node.js, PHP Laravel, MongoDB, MySQL, AWS, Docker, Git.

Professional Training Programs

Advanced Full-Stack Web Development Nanodegree

Udacity (Online)

(December 2022 - March 2023)

- **Track:** MERN Stack Web Development (JavaScript, TypeScript, Node.js, RESTful APIs, PostgreSQL, AWS DevOps).

Front End Web Development Professional Nanodegree

Udacity (Online)

(September 2021 - October 2021)

- **Track:** Front End Web Development (JavaScript, CSS, HTML).

Professional Experience

Legal Translator (Remote) – Al Mohamoon Al-Arab Network

(2021 – Present)

- Responsible for translating complex legal documents, including contracts, court transcripts, and corporate policies, ensuring high levels of accuracy and confidentiality.

Legal Researcher

(July 2020 – December 2021)

- Drafted contracts and conducted legal research.

Education

LLB – Faculty of Laws

Ain Shams University, Cairo, Egypt

(August 2021 - July 2025) | Grade: Good

BA: Language Interpretation and Translation

CSC – 6th of October, Egypt

(August 2011 - July 2016) | Grade: Good

Personal Information

- **Languages:** Arabic (Native), English (Fluent)
- **Military Status:** Completed (2017 – 2018)