

# Emad Hussien

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## PROFESSIONAL EXPERIENCE

### Food Delivery System

Jul 2024 - Present

#### Backend Developer - [GitHub link](#)

A Food Delivery System that enables customers to order food online from multiple restaurants.

##### Accomplishments:

- Developed a scalable system enabling restaurants to manage profiles and menus.
- Implemented customer features for account management, menu browsing, cart functionality, and order placement.
- Designed and integrated a review system for menu items.
- Implemented validation, global exception handling, and unit testing to ensure system reliability, robustness, and user experience.
- Enhanced the read Restaurant Menu API with pagination for improved performance and user experience.
- Integrated Stripe for secure and efficient payment processing.
- Spring Boot, MySQL, JPA, REST APIs, Mockito, Stripe.

### Financial advisors management system

June 2024

#### Backend - [GitHub link](#)

This system is designed to help multiple financial advisors manage their clients.

##### Accomplishments:

- Engineered a dynamic client management feature, enabling financial advisors to create, update, and delete client profiles.
- Designed and implemented robust entities and Repositories using JPA, facilitating effective data management and operations.
- Utilized the H2 database for faster development, storing, and managing client information, portfolios, and securities, ensuring data integrity and accessibility.
- Implemented RESTful controllers to expose APIs for managing clients and securities, enhancing system interaction and usability for financial advisors.
- Spring Boot, H2 Database, JPA, REST API.

### moneyservices E-Commerce web application

Jan 2024 - March 2024

#### Frontend - Freelance Project

E-commerce platform

##### Accomplishments:

- Resolved legacy code issues, improving system stability.
- Implemented secure Firebase SDK for Google and Facebook login.
- Integrated Paymob for efficient payment processing.
- Html, Sass, Bootstrap, ReactJS, Redux, GitHub, Firebase.

## **e& H. E-Commerce Admin Dashboard**

**Oct 2023 - Dec 2023**

### **Full Stack Developer - [Live link](#) - [GitHub link](#)**

An admin dashboard to manage the e-commerce application with the essential features.

Accomplishments:

- Developed user and product management features with Firebase integration for image storage.
- Html, CSS, Material UI, ReactJS, Recharts, Git, Express, MongoDB, Firebase Storage

## **e& H. E-Commerce**

**Aug 2023 - Dec 2023**

### **Full Stack Developer - [Live link](#) - [Frontend GitHub link](#) - [Backend GitHub link](#)**

A FullStack application is designed to provide a comprehensive and secure online shopping experience.

From user authentication to seamless payment processing, this platform encompasses many features for both users and administrators.

Accomplishments:

- Developed CRUD operations on the server side using the Express framework followed using MVC architecture.
- Implemented secure authentication and authorization mechanisms using JWT, including the use of refresh tokens for enhanced security.
- Utilized MongoDB as the database with Mongoose schema for data modeling.
- Integrated Stripe API for payment processing, both on the backend and frontend.
- Html, Styled Components, Material UI, ReactJS, Redux, Git, Stripe, Express, MongoDB, JWT, MVC, react-router.

## **Engineering Enterprise Payroll System**

**Oct 2020 - Dec 2020**

### **Java Developer - [GitHub link](#)**

A comprehensive payroll management system designed to streamline employee data management and payroll processing for engineering enterprises.

Accomplishments:

- Engineered a dynamic employee management feature, enabling administrators to create, update, and delete employee profiles across various categories (Engineer, HR, Trainee).
- Created a flexible grade system that supports different positions with varying pay rates and tax rates, optimizing payroll accuracy and compliance.

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## **EDUCATION**

### **Ain Shams University. June 2023**

Bachelor of Computer and Information Sciences.

**Graduation Project Title :** Diabetic Retinopathy

**Description:** Created a deep-learning model for predicting diabetic retinopathy.

**Project Grade:** Excellent.

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## **TRAININGS AND COURSES**

Attended various training programs, including a **Frontend Internship** at Master Vision, **Web Development**, and **ACM Level 1 Training** at acmASCIS.

Completed courses on **Spring Boot**, **Harvard CS50** ([Certification Link](#)), and **Responsive Web Design**([Certification Link](#)).

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