

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.
- Integrated Keycloak for seamless user authentication and authorization.
- Secured API endpoints with Keycloak token validation to restrict access to authorized users.
- Spring Boot, MySQL, JPA, REST APIs, Mockito, Stripe, Keycloak.

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.

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.

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](#)).
