

Beshoy Morad

Software Engineer

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EDUCATION

Bachelor of Engineering, Cairo University, Faculty of Engineering, Computer Engineering Department | **2019-2024**

Cumulative Grade: **Excellent**

GPA: **3.56/4**

EXPERIENCE

Full-Stack Developer

3/2024 – Present

Apes Solutions

- Created responsive pages and implemented the complete authentication cycle for a store website.
- Improved the visual and functional aspects of several pages to enhance user experience and engagement.
- Refactored and rebuilt a website dashboard from scratch, improving code quality, performance, and user interface.
- Created and integrated backend endpoints to support new features and functionality.
- Added new entities and corresponding endpoints, integrating them with the front-end dashboard to enhance functionality and user experience.

Technologies used: Next.js, Nest.js, PostgreSQL, Tailwind CSS, MUI

Advanced Full-Stack Web Development Nanodegree

8/2022 – 10/2022

Nanodegree that was given by **fwd** and **Udacity** in which I learned:

- TypeScript to reduce developing errors and create test units with Jasmine.
- Build a RESTful JSON API with Node and Postgres.
- API architecture, database migrations, creating a testing environment, password hashing and JWTs.
- Create environment properties in Elastic Beanstalk, an S3 bucket and configure it for web hosting.
- Gain the necessary knowledge to create a production environment and automate its code deployment.
- Build an automated pipeline and scripts.

Technologies used: Node.js, Express.js, PostgreSQL, TypeScript

PROJECTS

E-Commerce API [\[link\]](#)

- Implemented all the main modules along with services and entities.
- Implemented features like authentication, and authorization.
- Documented my APIs using Postman.

Technologies used: NodeJS, NestJS, PostgreSQL

SociLink [\[link\]](#)

SociLink is a dynamic and innovative social media platform Built on the powerful MERN stack.

- Implemented secure user authentication and registration features.
- Integrated a post creation system supporting both text and image-based posts.
- Successfully implemented image upload functionality using Dropzone.
- Enabled users to interact with posts.
- Implemented a functional dark mode for an enhanced user experience.

Technologies used: ReactJS, Material UI, Redux, React Router, NodeJS, ExpressJS, MongoDB

GPTInspire [\[link\]](#)

GPTInspire is a platform that connects people to share their prompts.

- Developed a dynamic web application using Next.js for a responsive user experience.
- Implemented Google Sign-In functionality to enhance user authentication.
- Designed and integrated a user-friendly interface for creating, editing, and viewing prompts.
- Implemented search functionality, allowing users to search and retrieve prompts based on relevant keywords.

Technologies used: NextJs, MongoDB, TailwindCSS

ChatterHub [\[link\]](#)

ChatterHub is a Realtime Chat App built using MERN stack.

- Developed a real-time chat application using SocketIO.
- Integrated a page that enables the user to join an ongoing group chat or create a new group chat.

Technologies used: ReactJS, MUI, ReactRouter, Socket.io, NodeJS, ExpressJS

Read-It (Reddit Replica) [\[link\]](#)

Read-It is an application that mocks the social media app Reddit.

- Designed the database schema and API documentation for the front-end team.
- Implemented several APIs using an MVC design architecture along with services.
- Implemented features like email verification, authentication, and authorization.
- Documented my APIs and functions using Swagger and wrote unit tests for the services and functions I implemented using Jest.

Technologies used: Node.js, Express.js, MongoDB, Swagger, Jest

Dawrha-Shop [\[link\]](#)

Full-stack web app to allow people to buy and sell any used items they want.

- Designed and built the database with my team.
- Implemented the admin dashboard with all its features.
- Designed the item page and buying items feature.

Technologies used: PHP, MySQL, HTML, CSS, Bootstrap, JavaScript

Grade Auto Filler [\[link\]](#)

A tool to scan grade sheets or answer bubble sheets, then, make another grade sheet in digital form.

- I was responsible for extracting the data inside the cells of the sheet.
- I was responsible for training the SVM model to detect the different shapes.
- I was responsible for creating the output excel sheet from the given data.
- Created the configuration files for both modules.

Technologies used: Python, Jupyter Notebook

SKILLS

Programing Languages: C/C++, Python, JavaScript, TypeScript

Frontend Development: HTML, CSS, Bootstrap, React.js, Redux, MUI, Next.js, Axios, TailwindCSS

Backend Development: Node.js, Express.js, Nest.js

Databases: MongoDB, MySQL, PostgreSQL, Redis

Others: Arduino, Verilog, Linux, Git/GitHub

CERTIFICATIONS AND AWARDS

Udacity Advanced Full-Stack Web Development Nanodegree [\[Certificate\]](#)

Participated in the ECPC 2022 Qualification Contest [\[Certificate\]](#)