

# Momen Hesham Elsayed Mohamed

## Software Engineering

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♂ Male

### Profile

I am Software Engineer , Proficiency in languages like JavaScript ,Python, Strong analytical and problem-solving skills, with the ability to design efficient and scalable solutions, Familiarity with web technologies, frameworks

### Skills

Hypertext Markup Language

Bootstrap

JavaScript

Database (MongoDB)

React

React Native

Software Testing

Cascading Style Sheets

Tailwind

TypeScript

Nodejs

Next

Express

Git & GitHub

### Professional Experience

#### Ecomate (Sustainable Waste Management Solution)

09/2023 – present | Dakahlia, Egypt

##### Front End

My graduation project, Ecomate's Sustainable Waste Management Solution. Our smart bins, equipped with IoT-enabled sensors and computer vision technology, monitor waste levels in real-time and classify recyclable materials into four categories: plastic, paper, metal, and glass. Users can dispose of waste using a mobile app by scanning QR codes or using an email in offline mode. The app also rewards users with points and bonuses that can be redeemed for gifts.

## Projects

### Ecomate Website

01/2024 – present

- **Technologies Used:** React, JavaScript, Tailwind CSS, React Router DOM, Axios, Vite, Zustand, Framer Motion.

- **Key Contributions:**

- Developed a dynamic and responsive web application using React and JavaScript.
- Implemented Tailwind CSS for efficient and responsive styling.
- Managed routing with React Router DOM for seamless navigation.
- Utilized Axios for API interactions and data fetching.
- Leveraged Vite for fast development and optimized builds.
- Employed Zustand for scalable state management.
- Added interactive animations with Framer Motion.

- **Process Highlights:**

- Configured the project with Vite and set up essential dependencies.
- Built reusable components and ensured responsive design.
- Conducted thorough testing and performance optimization.
- Deployed the application, ensuring seamless integration and continuous delivery.

### Ecomate Admin Dashboard

03/2024 – present

- **Technologies Used:** React, JavaScript, Material UI, FullCalendar, Nivo, Axios, React Router DOM, React Hook Forms, React Toastify, Zustand.

- **Key Contributions:**

- Developed a dynamic and interactive dashboard using React and JavaScript.
- Utilized Material UI for consistent and responsive UI components.
- Integrated FullCalendar for robust calendar functionality.
- Implemented Nivo for interactive and visually appealing data visualizations.
- Employed Axios for efficient data fetching and API interactions.
- Managed routing with React Router DOM for seamless navigation.
- Utilized React Hook Forms for efficient form handling and validation.
- Incorporated React Toastify for user-friendly notifications.
- Managed state using Zustand for scalable state management.

- **Process Highlights:**

- Configured the project setup and integrated essential dependencies.
- Built reusable components and ensured a responsive design with Material UI.
- Developed calendar and data visualization features using FullCalendar and Nivo.
- Implemented form handling and validation with React Hook Forms.
- Conducted thorough testing and performance optimization.
- Deployed the dashboard, ensuring seamless integration and continuous delivery.

### MERN Stack Project (Website Notes)

02/2024 – 02/2024

- **Technologies Used:**

- **Front End:** React, Vite, JavaScript, Axios, React Router DOM, React Toastify, Tailwind CSS.
- **Back End:** Node.js, Express, MongoDB, bcrypt, JWT, Mongoose, Validator, Morgan, dotenv, CORS.

- **Key Contributions:**

- Built a dynamic and responsive front end using React and Vite, styled with Tailwind CSS.

- Managed routing with React Router DOM and handled data fetching with Axios.
- Incorporated React Toastify for notifications and built a robust back end with Node.js and Express.
- Implemented secure user authentication using bcrypt and JWT.
- Managed MongoDB with Mongoose, validated data with Validator, and logged requests with Morgan.
- Configured environment variables with dotenv and handled cross-origin requests with CORS.

- **Process Highlights:**

- Set up and optimized the project with Vite.
- Developed reusable components, ensuring responsive design.
- Implemented user authentication, input validation, and data management.
- Conducted thorough testing and performance optimization.
- Deployed the application, ensuring seamless integration and continuous delivery.

## Courses

### **Full Stack (HTMLCSS-JavaScript-JQuery) (PHP-My SQL)**

07/2023 – 11/2023 | Dakahlia, Egypt

*Consultation Center Of Computers & Information System*

### **Front End (HTML-CSS-Bootstrap-JS- React JS )**

07/2022 – 10/2022 | Dakahlia, Egypt

*Consultation Center Of Computers & Information System*

## Education

### **Faculty of Computer and Information Sciences**

10/2020 – present | Mansoura, Egypt

#### **Courses**

- Operating Systems -Computer Networks
- Distributed Systems -Software Design & Architecture-Software -Testing&Quality Assurance - Embedded System Software Design

## Soft Skills

Problem-solving

Communication

Creative thinking

Teamwork

Time management

Negotiation

## Languages

- Arabic (Native)

- English (B1)