

AHMED KASHKOUSH

Frontend Software Engineer

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Summary

Computer science student with knowledge of front-end development, algorithms, and data structures. Interested in developing user-friendly web applications with innovative design.

Experience

The Accord Project 🔗

April 2024

Open Source Contributor

- Implemented a method to sync numbers and text in contract documents based on locale using **Typescript**.
- Developed various unit tests utilizing Jest.
- Resolved a key issue, contributing to the project's template engine. **Issue Link**

Education

Menofia University, Faculty of Computers & Information

Sep. 2021 – May 2025

Bachelor of Science in Computer Science

Menofia, Egypt

Relevant Coursework

- Data Structures
- Algorithms
- OOP
- Operating Systems
- Database
- Networking

Projects

The Wild Oasis 🔗 | *React, PostgreSQL, Styled Components*

February 2024

- The Wild Oasis is a comprehensive hotel management system designed to facilitate guest check-in and check-out processes, as well as provide detailed statistical insights into customers data such as bookings, cabins, ... etc.
- Incorporated **React Query** for remote state management and Context API for UI control.
- Designed and implemented a **PostgreSQL** database with Supabase integration, ensuring secure data handling through **row-level security** and optimized query management.
- Enhanced UI/UX with Styled Components for styling, **React Hook Form** for efficient form handling, and dynamic modal components using the **Compound Component pattern**.
- Optimized application performance by implementing server-side rendering for data-heavy components, utilizing **prefetching** techniques with React Query.

Chess Game 🔗 | *HTML, CSS, JavaScript*

February 2024

- Developed a chess game using JavaScript, replicating the functionality of chess.com.
- Designed project entities and relationships, documented using UML diagrams.
- Implemented each piece's movements and properties using OOP principles.
- Utilized MVC architecture and JavaScript modules for a structured and modular project design.

Forkify recipe website 🔗 | *HTML, Sass, JavaScript*

October 2023

- Developed a recipe app facilitating recipe search and addition for both users and chefs.
- Designed relationships between components using the **MVC** architecture.
- Implemented a search engine feature using Forkify API.
- Incorporated a bookmark feature using the Local Storage API.

Worldwise 🔗 | *React, CSS modules, Firebase*

May 2024

- Developed a Single Page Application for city tracking, utilizing a Leaflet.js Map for visual representation.
- Managed application routing seamlessly through **React Router Dom**.
- Implemented insertion, deletion, and retrieval functionalities for exercise locations via Firebase integration.
- Handled state management and side effects using React Hooks such as `useReducer`, `useState`, `useSearchParams`, `useEffect`, and custom hooks alongside the **context API**.

Snapgram | *React, Tailwind, Appwrite*

March 2023

- Developed a social media platform prototype enabling users to create, update, link, and save posts.
- Implemented robust application state management using **React Query**, ensuring efficient data fetching and synchronization.
- Integrated **shadcn/ui** for seamless form validation, enhancing user experience and data integrity.
- Engineered secure authentication functionalities for user login and signup using **Appwrite** backend services.
- Designed and implemented a versatile file uploader utilizing the **react-dropzone** package for profile and post image uploads.

Car Rental | *React, Tailwind*

July 2024

- Developed a fully responsive single-page application for use by car rental companies.
- Organized components for reusability.

Technical Skills

- **Languages:** HTML, CSS, JavaScript, React, SQL, Bash Scripting, C++, Java
- **Technologies/Frameworks:** React
- **Developer Tools and Platforms:** Git, GitHub, VS Code, JetBrains, Trello, Linux, Mocha & Chai
- **Skills:** Data Structures & Algorithms, Competitive Programming, OOP, Database, Operating Systems

Achievements

- Participated in ICPC ECPC qualifications 2022, 2023.
- Solved over 1000 complex algorithmic problems on various problem-solving sites.
- Completed more than 30 front-end challenges on UI challenge sites such as Frontend Mentors.