

# AHMED KASHKOUSH

Frontend Software Engineer

☎ (+20)1000976038 📍 Cairo, Egypt

✉ [ahmedkashkoush464@gmail.com](mailto:ahmedkashkoush464@gmail.com)

🌐 [Ahmed Kashkoush](#)

🔗 [ahmad-kashkoush](#)

🌐 [Portfolio](#)

## Summary

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

## Experience

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### The Accord Project 📄

Apr 2024

*Open Source Contributor*

- Contributed to the Accord Project's template engine, a tool that automates the generation of legal documents by combining templates with data.
- Implemented locale-based synchronization of numbers and text in contracts using **TypeScript**, and developed unit tests with Jest for reliability.
- Collaborated with the team to resolve critical issues, enhancing the engine's functionality. **Issue Link**

## Education

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### B.Sc. in Computer Science, Menoufia University

Sep 2021 – May 2025

- **Relevant Coursework:** Data Structures, Algorithms, OOP, Operating Systems, Databases, Networking, Computer Architecture, Logic, Discrete Math.

## Technical Skills

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- **Languages:** JavaScript, TypeScript, SQL, Bash, C, C++, Java
- **Technologies/Frameworks:** HTML, CSS, React, Next.js, Redux, TailwindCSS, SASS, Styled Components, Firebase, RESTful API, Markdown, Vite.
- **Developer Tools and Platforms:** Git, GitHub, VS Code, JetBrains, Trello, Linux, Mocha Chai, Figma
- **Skills:** Data Structures Algorithms, Competitive Programming, Object-Oriented Programming (OOP), Object-Oriented Design (OOD)

## Projects

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### The Wild Oasis 📄 | *React, PostgreSQL, Styled Components*

- A robust single page application (SPA) tailored for comprehensive hotel management, encompassing efficient guest check-in/out procedures and advanced customer data analytics capabilities.
- Leveraged **React Query** for 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**, **React Hook Form**, and dynamic modal components using the **Compound Component pattern**.
- Optimized performance using server-side rendering and **React Query prefetching**.

### Chess Game 📄 | *HTML, CSS, JavaScript*

- 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*

- 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.

### Worldwise | *React, CSS modules, Firebase*

- 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**.

### Car Rental | *React, Tailwind*

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

### Achievements

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- 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.