

# AHMED KASHKOUSH

Software Engineer ◇ Frontend Developer

(+20) 012-11987170 ◇ [ahmedkashkoush464@gmail.com](mailto:ahmedkashkoush464@gmail.com) ◇ Cairo, Egypt

[linkedin.com/in/ahmad-kashkoush/](https://linkedin.com/in/ahmad-kashkoush/) ◇ [github.com/ahmad-kashkoush](https://github.com/ahmad-kashkoush) ◇ [portfolio](#)

## SUMMARY

---

Senior Computer Science student with experience in front-end development, data structures, and algorithms. Developed projects such as Chess and Hotel Management System. Active open-source contributor across different tech stacks. Passionate about building web applications with innovative design.

## EDUCATION

---

**B.S. in Computer Science**, Minufiya University.

Oct 2021 – Jun 2025

- **Relevant Coursework:** Data Structures, Algorithms, OOP, Operating Systems, Databases, Networking, and Computer Architecture. (**GPA:** 3.0/4.0)

## OPEN-SOURCE CONTRIBUTIONS

---

**GitLab.** Web-based DevOps platform combining source code management, CI/CD, and project management.

- Migrated native Fetch to Axios for consistency and better error handling. [MR](#)
- Revamped feature flag forms, which improved UX using Vue. [MR](#)
- Adjusted contributor success form optional fields, which improved UX using Vue. [MR](#)

**The Accord Project.** Framework for smart legal contracts and automation of legal agreements.

- Developed locale-based number/text formatter for the template engine with TypeScript. Tested formatter accuracy using Jest. [PR](#)

**Jenkins.** Automation server for CI/CD pipelines, widely used by developers.

- Tested node connectivity in “AllNodesForLabelBuildParameterFactory”, boosting coverage by 22%. [PR](#)
- Tested permission checks validation in “PublicBuildStatusAction”, increasing coverage by 7%. [PR](#)
- Tested “VersionMonitor” to ensure correct version mismatch handling. [PR](#)
- Added unit tests for “PluginModernizer” using JUnit and Mockito. [PR](#)
- Optimized plugin performance by disabling redundant dependency loading. [PR](#)

**Stdlib.** JavaScript and Node.js library, with an emphasis on numerical and scientific computing applications.

- Added `include()` to `fixedEndianArray` and conducted benchmarks for measuring performance. [PR](#)

## PROJECTS

---

**The Wild Oasis.** Built single-page hotel management application for managing check-in/out and customer analysis using React. Implemented a database using PostgreSQL and Supabase. Designed reusable dynamic components following the Compound Component Pattern. Improved performance using React Query prefetching and lazy loading.

**Chess Game.** Built Chess.com clone using JavaScript. Implemented advanced chess rules like castling, en passant, checkmate detection, and pawn promotion using OOP and MVC architecture concepts, ensuring clean UI and accurate game logic.

**Forkify Recipe Website.** Built recipe app for users to search and add recipes using JavaScript.

**Worldwise.** Built location tracking application for users to insert, delete, and retrieve exercise locations using Firebase integration. Managed application routes using React Router DOM. Managed state using React hooks such as `useSearchParams`, `useEffect`, and `useReducer`.

**Car Rental.** Built fully responsive landing page for car rental companies using React and Tailwind.

## SKILLS

---

<b>Programming Languages</b>	JavaScript, TypeScript, NodeJs, C/C++, Java, Bash, SQL
<b>Technologies</b>	React, NextJs, Redux, RESTful API, Tailwind, SASS, Shadcn, Firebase, Markdown, Vite, Mocha & Chai, JUnit
<b>Computer Science</b>	Data Structures, Algorithms, Object-Oriented Programming, Databases
<b>Tools</b>	Git, GitHub, Linux, Figma, VS Code, JetBrains, Trello
<b>Languages</b>	English (Fluent), Arabic (Native)

## ACHIEVEMENTS

---

- Ranked 48th out of 240 teams in the 2022 ICPC ECPC qualifications day 7.
- Solved over 1000 complex problem on problem solving platforms such as [LeetCode](#) and [Codeforces](#).
- Competed in rated Codeforces contests and earned Pupil title.