

# AHMED KASHKOUSH

Software Engineer

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## SUMMARY

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Open-source contributor and senior computer science student with knowledge in front-end development, algorithms, and scalable software architecture. Passionate about enhancing developer tools, automation, and user-centric web applications through impactful open-source contributions.

## OPEN-SOURCE CONTRIBUTIONS

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

- Added number and text synchronization to the template engine using TypeScript [PR](#)
  - Built locale-based number and text formatter
  - Wrote unit tests with Jest to ensure accurate localization and maintain reliability

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

- Increased test coverage for Jenkins plugins using Java
  - Added tests for device connectivity handling [PR](#)
  - Added security check tests [PR](#)
  - Wrote mock-based tests for key classes [PR](#)
  - Created JUnit-based unit test class which improved JaCoCo coverage [PR](#)
- Improved plugin robustness by disabling unnecessary dependency loading [PR](#)

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

- Replaced native Fetch with Axios for consistency and better error handling [PR](#)
- Redesigned feature flag forms using Vue, which improved UX [PR](#)
- Updated contributor success form optional fields using Vue, which improve UX [PR](#)

## EDUCATION

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

**Sep 2021 – June 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:** React, Next.js, Redux, TailwindCSS, SASS, Styled Components, Firebase, RESTful API, Markdown, Vite, Mocha & Chai
- **Developer Tools and Platforms:** Git, GitHub, VS Code, JetBrains, Trello, Linux, Figma
- **Skills:** Data Structures & Algorithms, Competitive Programming, Object-Oriented Programming (OOP), Object-Oriented Design (OOD)

## PROJECTS

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

**Chess Game** | Implemented a Chess.com clone using JavaScript. Designed piece movements using OOP principles and MVC architecture.

**Forkify Recipe Website** | Built a recipe app that enables searching and adding recipes using JavaScript.

**Worldwise** | Built a city tracking application that enables insertion, deletion, and retrieval of exercise locations via Firebase integration. Managed application routes using React Router DOM. Managed state using React hooks like `useSearchParams`, `useEffect`, and `useReducer`.

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

## 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](#)