

Youssef Bassiem

Junior Front-end developer

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Military status: exempted



Education

- **Bachelor of Computer Science:** Sep 2020 – Jul 2024
 - Faculty of Computer and Information Science (SC Department), Ain Shams University, Egypt
 - Cumulative Grade: Very Good
 - GPA 3.1

Experience

- **SilverKey Technologies:** Apr 2025 – Present [Preview](#)
 - Giz Dual:
 - Led the migration from Angular 12 to Angular 20, modernizing the codebase with standalone components, Angular Signals, and function-based APIs.
 - Implemented a centralized HTTP Error Interceptor and enhanced global error handling, improving API reliability.
 - Enhanced application security by configuring CSP headers with nonce-based validation, preventing unauthorized script execution and protecting user data against XSS attacks without compromising UI functionality.
 - Integrated the Angular frontend with an ASP.NET Core 10 backend generated through Scalar + OpenAPI, achieving fully type-safe API clients, auto-generated models, and consistent request/response typing across the app.
 - Integrated SonarQube for continuous code analysis, successfully lowering code complexity and eliminating security risks.
 - Rebuilt major modules using reactive forms, computed/effect signals, and lifecycle-based logic, enabling dynamic permissions and state-driven UI.
 - Delivered a unified UI system using Tailwind CSS, Angular Material, and custom SVG icons, with full RTL (Arabic) support.

Projects

- **Weather app:** [Demo](#)  [source](#)
 - Utilized React Query for efficient data fetching and state management across the application, enhancing the user experience by managing server state, caching, and synchronization.
 - Implemented robust form handling and validation using React Hook Form combined with Zod for schema validation.
 - Integrated Firebase Authentication to manage user authentication processes, including sign-in functionalities with Google and GitHub.
 - Leveraged React Router for navigation and routing in a single-page application (SPA) architecture and deployed the application on Vercel.
- **Customer-Transactions:** [Demo](#)  [source](#)
 - Integrated interactive data visualizations using Recharts, enabling responsive and insightful representations of customer transactions over time.
 - Introduced an efficient search functionality with regex validation to filter transactions by custom-

er name or amount, enhancing data accessibility and user experience.

- Established a JSON server to serve API requests, providing endpoints for customers and transactions, and configured development and production environments to ensure consistent API routing using Vite and Vercel.
- Created responsive and user-friendly components with Tailwind CSS, including a custom tooltip for charts and a transactions table, providing a seamless and intuitive user interface.
- Optimized state and data fetching processes using React hooks, ensuring smooth loading experiences and accurate data representation for customers and transactions.

Technical Skills

Programming languages:

- JavaScript, TypeScript, C#, C++, C, ECMAScript 6, Java, Python

Conceptual Knowledge:

- Data structures, OOP, Solid, Algorithms

Frontend Technologies:

- Angular, React js, Shadcn, Tailwind, MUI, Zod, React Router, Redux, React Query, React Hook Form

Databases:

- PL/SQL, MySQL, Oracle Database, Firebase, Microsoft SQL Server

Tools:

- Git, GitHub, GIMP, QT Designer, Figma, Blender

Others:

- UI/UX, Linux (Ubuntu), Docker, Kubernetes

Achievement & Awards

- Ranked Top 3 in Data structure contest in university out of +100 teams (2022).
- Ranked 5th place in UI/UX workshop contest in university workshop out of +25 teams (2022).
- **Courses:**
 - Web development challenger (Udacity).
 - UX Design Fundamentals (Mahara-Tech).
 - The Ultimate React Course (Udemy).
 - ITI summer training:
 - Mastered HTML, HTML5, CSS, CSS3, and Bootstrap, building a strong foundation for creating adaptive web interfaces.
 - Learned React basics, React Hooks, React Router, and Material-UI (MUI), enabling the development of responsive and interactive web applications with efficient state management and routing.
 - Applied acquired skills to build a movie platform showcasing box office movies, leveraging APIs with Axios to fetch and display real-time data.

Volunteer Experience

HR member (OSC - Open Source Community)

Mar 2020 – Jul 2024

Web instructor (OSC - Open Source Community)

Oct 2023 – Jul 2024

- **Full-Stack:**

 [source](#)

- Mentored a front-end team of 8 students.
- Created react.js branch from scratch to use it for teaching students react basics.
- Helped 2 teams of 5 students, each specializing in backend and frontend to create a website for OSC community.