

IRFAN TAYYAB

JUNIOR REACTJS DEVELOPER

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SUMMARY

Ambitious Frontend Developer crafting clean, responsive interfaces from design to pixel-perfect reality. Mastered **HTML/CSS**, then devoured **JavaScript/TypeScript** through projects and challenges. Leveled up with **ReactJS**, built diverse applications, conquered state management with **Redux Toolkit** and data fetching and caching with **RTK Query**. Tackled **NextJS** for its streamlined workflows and SEO benefits.

WORK EXPERIENCE (PROJECTS)

Henry S. Repairs (Tech Notes App) [\(demo\)](#)

- Wrote reusable code by making use of custom hooks to ensure the extensibility of the application.
- Leveraged Redux Toolkit for efficient state management and out-of-the-box RTK Query to integrate the API to avoid any extra application dependencies.
- Implemented authentication and role-based authorization to protect sensitive routes, providing different UIs for different roles.
- Utilized routing to avoid unnecessary page reloads.
- Optimized the interface for better user experience by reducing unnecessary re-renders of the web pages.
- Cached remote data to tackle high bandwidth or low latency, to reduce data load times.

News Of the World (News App) [\(demo\)](#)

- Wrote reusable code by making use of React custom hooks to ensure the extensibility of the application.
- Utilized routing to avoid unnecessary page reloads.
- Cached remote data to tackle high bandwidth or low latency, to reduce data load times. Used Regular Vanilla JavaScript to implement caching logic for granular control over functionalities.
- Implemented pagination to fetch required data only, to provide better and faster user experience.

Shopping App (not yet deployed online)

- Integrated Firebase real-time database to ensure quick yet effective production of the application.
- Implemented prefetching of the data from the database to provide a seamless user experience.
- Managed data flow in the application using Redux Toolkit.

EDUCATION

BS Computer Science

Virtual University of Pakistan

HARD SKILLS

- Semantic HTML5
- CSS/SCSS/SASS
- Bootstrap 5
- Tailwind CSS
- JavaScript
- TypeScript
- React (TS, JS)
- Next (TS, JS)
- Redux Toolkit (RTK Query)
- Version Control System (Git)
- RESTful API Integration
- Code Testing and Debugging
- Code Analysis and Refactoring

SOFT SKILLS

- Project Management
- Research Skills
- Communication
- Critical Thinking
- Visual Studio Code
- Microsoft Office
- Inkscape/Figma

WORK EXPERIENCE *(continuation)*

React To Posts Blog *(not yet deployed online)*

- Leveraged routing to convert the application into SPA (Single Page Application)
- Implemented caching to prevent unnecessary frequent network requests.
- Optimized the interface by preventing extra page re-renders using React's memoization techniques.
- Managed state efficiently using Redux Toolkit and leveraged out-of-box RTK Query.

Responsive Webpages *(demo)*

- Wrote cross-browser compatible code.
- Used semantic HTML for better SEO and accessibility.
- Wrote clean and self-documenting code for better code readability.
- Used HTML and CSS best practices to enhance user experience.
- Made mobile and tablet version of the webpages.

HANDS-ON EXPERIENCE WITH

HTML/CSS: Semantic HTML, Responsive Images, Forms, Tables, SVG's, iframes, Videos, Responsive design, flexbox, grid, font-face, google fonts, transitions, animations, media queries, box-model, pseudo-elements, hover and other states, typography, styling HTML forms, CSS filters, CSS masking etc.

JavaScript: Variable scope, advanced working with functions, object-oriented programming (OOP), array methods, destructuring assignment, JSON, getter and setter functions, prototypes and inheritance, classes, error handling, promises, modules, DOM manipulation, event loop, network requests, storing data locally

ReactJS: Design patterns, antipatterns, state, props, function-based components, class-based components, reusable components, react hooks, context, reactivity, state-management, optimization, error boundaries

Other Technologies include **TypeScript, Redux Toolkit, NodeJS/ExpressJS, MongoDB/Mongoose, JWT, TanStack React Query, SWR, Jest, React Testing-Library, CRA, Vite, Firebase, Material UI, MDX, Framer Motion, Webpack, Gulp**

ACHIEVEMENTS

- Completed almost a whole book on JavaScript language
- Ranked 2nd in a city-wide IQ test
- Ranked 1st all over Pakistan in one of the grades of an Islamic school system.

LANGUAGES

- Urdu *(Native)*
- English *(Fluent)*
- Turkish *(Intermediate)*
- Arabic *(Intermediate)*

HOBBIES/ACTIVITIES

- Researching
- Critical Analysis
- Class Representation
- Physical Exercise
- Language Learning
- Calligraphy/Typography