IRFAN TAYYAB

JAVASCRIPT 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. Expanded expertise to the backend with **Node.js**, building REST APIs, and working with **MongoDB**, **relational databases**, and **GraphQL** to create robust and scalable solutions.

HANDS-ON EXPERIENCE WITH

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, Socket.io, Prisma, NodeJS/ExpressJS, Mongoose, jQuery, GraphQL, Apollo Client/Server, JWT, TanStack React Query, React Router, SWR, Jest, React Testing-Library, CRA, Vite, Firebase, Material UI, MDX, Framer Motion, Webpack, Gulp, Yarn, Agile Methodology, Collaborative Development Environment**

WORK EXPERIENCE *(PROJECTS)*

My Portfolio *(demo)*

- Leveraged Next.js 14 to maximize the optimization of images.
- Used TypeScript for robust code.
- Utilized Framer Motion to add smooth animations.
- Made use of React Intersection Observer to trigger animations at certain points, making the website look more alive.
- Implemented dark and light modes based on user's system preferences, also added the theme toggler that remembers the user's choice.

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 *(Advanced)*
- CSS/SCSS/SASS *(Advanced)*
- Bootstrap 5
- Tailwind CSS
- JavaScript *(Advanced)*
- TypeScript *(Intermediate-Advanced)*
- React (TS, JS) *(Advanced)*
- Next (TS, JS) *(Advanced)*
- Redux Toolkit (RTK Query) *(Advanced)*
- Node.js/Express.js *(Intermediate)*
- MongoDB/MySQL/PostgreSQL
- API Integration
- Version Control System (Git)

SOFT SKILLS

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

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 low bandwidth or high 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 low bandwidth or high 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.

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.

ACHIEVEMENTS

- Completed almost a whole book on JavaScript language
- Ranked 2nd in a city-wide IQ test

LANGUAGES

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

HOBBIES/ACTIVITIES

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