RIMSHA GUL

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EDUCATION

FAST-NUCES   **Lahore, Pakistan**   **August 2020 – July 2022**
- Master in Computer Science. CGPA: 3.74/4

FAST-NUCES   **Lahore, Pakistan**   **August 2016 - July 2020**
- Bachelor in Computer Science. CGPA: 3.39/4

EXPERIENCE

Front End Developer   **MultiConnect Horizon Technologies**   **Dec 2023 – Present**

Tools: ReactJS, ExpressJS, AntDesign, PostgreSQL, ES6, Typescript, Jest, ESLint, Prettier, Firebase

- Integrated **Ant Design** and **Ant Design Pro**, leveraging their extensive set of components and themes for efficient frontend development.
- Utilized **Umi** for project configuration and incorporated **UseIntl** for enable multi-language support.
- Proactively delivered **production-level software** that used by top traditional and modern brands.
- Enhanced healthcare system efficiency and user experience by designing a comprehensive, **responsive HR module** featuring advanced filtering for leave management via an intuitive calendar.
- Restructured and refactored multiple projects to segregate business logic into **hooks**, streamlining component code and leading the creation of **modular, reusable** components, significantly improving code readability, maintainability, and reducing file sizes for a more scalable and efficient architecture.
- Streamlined **API integration** across projects with a custom management file, embodying the **DRY principle** to boost codebase efficiency, foster reusability, and minimize redundancy.
- Implemented and enhanced system features, including a multi-clinic capability for increased **scalability**, **dynamic** end time feature for bookings, lunchtime scheduling for doctors, and **customizable** menu layout, improving scheduling accuracy, resource management, and user interface adaptability.
- Maintained and optimized the existing codebase, systematically resolving bugs to ensure system **reliability**, performance, and feature stability, while also implementing strategic code enhancements.

Full Stack Developer   **Tetrahex**   **May 2023 – Nov 2023**

Tools: ReactJS, NodeJS, ExpressJS, MongoDB, ES6, Typescript, REST API, JWT, Socket.IO, Nodemailer, Multer, Jest, Cypress, ESLint, Prettier, Vercel, Openshift

Live Site | **Github Repository**

- Created full-stack website, "**Purrfect Adoptions**", facilitating a comprehensive pet adoption process.
- Engineered a multi-tiered adoption application workflow featuring:
  - User-initiated applications for pet adoption.
  - Real-time status updates for active applications.
  - **Cron job** automation for expiring applications based on predefined criteria.
- Implemented file handling and image upload features using **Multer**, allowing for efficient storage of user profile photos and pet images on **Google Drive**, enhancing the platform's media handling efficiency.
- Engineered a real-time notification system using **Socket.IO** to facilitate instant user updates and alerts.
- Built a dynamic search and filtering system for the pets and applications database.
- Implemented **NodeMailer** for robust email services, facilitating communication features like account verification, password resets, and adoption updates to enhance user experience.
- Implemented **responsive design** to ensure the website is fully functional and visually appealing on a variety of devices, from desktops to tablets and smartphones.

- Conducted front-end end-to-end testing using **Cypress**, and unit testing using **Jest**.
- Performed back-end integration testing with **Jest**.
- Automated code integration and deployment workflows using **GitHub Actions**, enhancing the project's development efficiency and reducing the lead time for changes.
- Utilized **Swagger** to design, document, and test RESTful API endpoints, streamlining the development process and ensuring maintainable and self-documented API resources for scalable future development.
- Incorporated **ESLint** and **Prettier** for consistent code formatting and best coding practices, enhancing code quality and maintainability.
- Deployed the front-end on **Vercel** and the back-end on **Openshift by Red Hat.**

Technical Content Engineer   **Educative.io**   **July 2021 – February 2022**
Tools: ReactJS, Redux, Jest, Vercel

- Created an intermediate level React course, emphasizing modern React features such as hooks, **Context API**, and **Redux** for state management.
- Curated modules on **React Router** for advanced routing and performance enhancement techniques.
- Provided detailed testing paradigm explanations and use cases with **Jest** and the **React Testing Library.**
- Created detailed explanations and walkthroughs for integrating RESTful APIs with React and deploying applications using services like **Netlify** or **Vercel**.

PROJECTS

Pokédex   **React JS | CSS | GraphQL API**   **2023**
Live Site | **Github Repository**

- Engineered a comprehensive **React JS** application tailored for Pokémon enthusiasts, showcasing an intuitive interface that displays an exhaustive directory of all known Pokémon.
- Integrated **Apollo Client** to fetch Pokémon data from a **GraphQL API**, enabling real-time access to an extensive compendium of Pokémon information.
- Implemented an advanced search feature for effortless Pokémon retrieval by name, harnessing **GraphQL's** dynamic data querying for instant results.
- Integrated dynamic routing using **react-router-dom** for direct access to individual Pokémon details, supporting bookmarkable URLs and browser history integration.
- Crafted a **responsive** and interactive user interface that adapts to various screen sizes and devices, ensuring accessibility and a consistent user experience.
- Enhanced the visual engagement through **interactive** Pokémon GIFs that react to user interactions, providing a lively and animated browsing environment.
- Utilized **styled-components** to deliver a modular, reusable, and thematically consistent design across the application, enhancing brand coherence with a customizable visual language.

LANGUAGES AND TECHNOLOGIES

- **Programming Languages**: Javascript, TypeScript, Kotlin, Python, Java, Go, C++
- **Front-End Development:** ReactJS (including Context API), Vite, CSS, Tailwind, HTML5
- **Back-End Development:** NodeJS, ExpressJS, Django
- **Testing Frameworks**: Cypress, Jest
- **API Design & Testing**: REST, GraphQL, Swagger
- **Version Control & CI/CD**: Git, Github, GitHub Actions (for CI/CD pipelines)
- **Code Quality Tools**: ESLint, Prettier
- **Databases**: MongoDB, MS SQL Server, PostgreSQL
- **Hosting Platforms:** Vercel, Firebase, AWS, Openshift by Red Hat