Asif Khan

Software Engineer

Skills

Experience

Asif Khan

Bikaner, Rajasthan

8290385852+91
ak3226519@gmail.com
Portfoliom

Javascript | Typescript | jQuery | java | C++ | oops

React.js | HTML5 | CSS3 | Bootstrap | materialUI |

Nest.js | Express.js | Node.Js | Socket.io

SQL | MongoDB |PostgreSQL | FireBase

Git | Github | Docker |Nginx | Networking

Web Performance Optimization | Markdown | Problem solving.

Freelancer/ Software Engineer

March 2023 - Current, Bikaner.

- **Decor system**
  - Developed a **multi-page application** from scratch to enhance user engagement and experience.
  - Utilized **jQuery** for event handling and seamless animations.
  - Implemented **MutationObserver** and **IntersectionObserver** for precise control over animations and responsive device interactions.
  - Enforced **page access restrictions** to ensure secure navigation for users.
  - Integrated **GSAP** to deliver a smooth and interactive scrolling experience.
  - Added a **shopping cart feature** to simplify the purchasing process for users.
- **Live Streaming**
  - Built a **live streaming platform** with real-time chat functionality using **React.js**, **NestJS**, **WebSocket**, and **WebRTC**.
  - Designed an intuitive and interactive **UI** with **Material-UI** and reusable **React components**
  - Leveraged **NestJS** for backend services, facilitating **real-time communication** via **WebSocket** for a seamless streaming and chat experience.
  - Integrated **WebRTC** for **screen capture** and **recording**, enabling users to manipulate and download recorded videos.
  - Deployed the platform in **Dockerized environments** using **Nginx**, ensuring scalability and consistency across production and development.
  - Utilized **PostgreSQL** for managing **user data** and **chat history** during live streams.
- **Form Builder**
  - Developed a robust **Full Stack MERN application** featuring **drag-and-drop form building**, **JWT authentication**, and **response tracking** capabilities.

- Built an intuitive and responsive **frontend** using **React**, **TypeScript**, and **Tailwind CSS**, along with libraries like **React Hook Form** and **Zod** for form validation and state management.
- Designed and implemented **secure backend APIs** with **Node.js**, **Express**, and **MongoDB**, supporting **CRUD operations** and **protected routes**.
- Integrated advanced **form submission tracking** and **response viewing** functionalities, enabling users to effectively analyze and manage collected data.
- Implemented **email notifications**, comprehensive **error handling**, and **troubleshooting mechanisms** to ensure a seamless and user-friendly experience.

CybHop Tech LLP/ Software Engineer intern
Dec 2023 - Mar 2024, Remote

- **NotesApp**
  - Developed a **note-taking web application** leveraging **React** for a dynamic frontend and **Nest.js** for seamless server-side integration.
  - Utilized **MongoDB** as the database for storing notes and implemented **CRUD operations** with secure **JWT-based user authentication**.
  - Integrated **Google OAuth** for an additional layer of user authentication and ease of access.
  - Employed **Passport.js** to manage **JWT verification** and streamline authentication workflows.
  - Enforced **page access restrictions** to ensure secure navigation for users.
  - Designed **optimized APIs** to ensure efficient and smooth request-response cycles.
  - Enhanced the **user interface** with **Material-UI**, delivering a polished and intuitive user experience.

- **Sanitary Management System**
  - Implemented secure authentication using **JWT** for session management, with endpoints for **user registration**, **login**, and **account management** in **Express.js**.
  - Designed a RESTful API for fetching and managing sanitary product data, leveraging **MySQL** relational database with optimized **SQL queries** for data retrieval and storage.
  - Built a dynamic cart system with **state management** in **React.js** to handle product addition, removal, and checkout, integrated with **backend endpoints** for order processing.
  - Ensured cross-device compatibility using **React.js** and **CSS Grid/Flexbox**, following **mobile-first design principles**.
  - Dockerized the application for consistent development and deployment environments, utilizing **Docker Compose** for managing the multi-container setup.

S Plus Consulting/ frontend developer intern
May 2022 - July 2022 , Remote

- Developed an **interactive web application** using **HTML**, **CSS**, and **JavaScript**, ensuring cross-browser compatibility and responsive design.
- Collaborated with a **team of developers** to implement features and optimize user experience.

- Authored comprehensive **project documentation** using **Markdown**, providing clear guidelines and references for future development and maintenance.

Education

Bikaner Technical University / B.tech

November 2020 - July 2024, Bikaner

University College of Engineering And Technology(UCET) CGPA: 7.39
- College Project:
  - CoinSeek App
    - Technology - React , Firebase ,ApexChart.js,MaterialUI

Mayoor Senior Secondary School/ 12th

June 2019 - March 2020, Degana ,Nagaur

Subjects: Physics, Chemistry and Mathematics Grades:
76.20%t.

Awards

Current Location: Bikaner, India

Nationality: Indian

Linguistic Proficiency: Hindi, English

GitHub: https://github.com/asifkhan231

LinkedIn:https://www.linkedin.com/in/asif-khan-69493a230

Portfolio: https://asifkhan2311-portfolio.vercel.app/