Asif Khan

Software Engineer

Skills

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Experience

Asif Khan

Bikaner, Rajasthan

8290385852+91 ak3226519@gmail.com Portfolio

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

o 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/