

Fahad Sarwar

Software Engineer

A dedicated software developer with a passion for crafting effective and innovative solutions



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WORK EXPERIENCE

Software Developer TechloSet Solutions

09/2022 - Present

Faisalabad

Achievements/Tasks

- Video Creation and Editing Platform:** Worked as a Frontend Software Engineer on a video creation project. Developed features to generate video segments based on user prompts and joined them using Remotion.js. Additionally, created a video editing timeline for seamless user interaction.
- AI Assistant App Development:** Developed an AI assistant application in React Native, integrating voice input and output functionalities. Leveraged react-native-tts for text-to-speech and implemented a pipeline that converts microphone audio to text, processes it using LangChain, and generates responses played back as audio.
- Menu Editor App Development:** Developed a menu editor application using Next.js and Supabase, incorporating the Creative Editor SDK. Implemented role-based user management, enabling admins to create and manage users. Integrated Stripe for subscription management, ensuring seamless access control for end users.
- SQL Visualizer and Formatter:** Developed a SQL visualizer and formatter tool in Next.js, using D3.js to create complex graphs of relational data. Integrated Auth0 for robust user management and authentication, enhancing security and user experience.
- Course Management Application:** Developed a course management application where teachers can upload courses, code playgrounds, and quizzes. Implemented functionality to parse content into YAML files and retrieve them using serverless APIs with MongoDB, ensuring efficient data handling and storage.
- Multi-Client Management Portal:** Developed a portal to manage multiple clients using a JSON-based structure, enabling efficient handling of different clients within the same project. Implemented access control for various user groups, ensuring tailored permissions and functionality for each client.

EDUCATION

BSCS

Virtual University of Pakistan

11/2022 - Present

B+

FSC

Aspire Group of Colleges

05/2020 - 05/2022

B

SKILLS

React.js

Next.js

React Native

Docker

JavaScript

TypeScript

Node.js

Express.js

MongoDB

Firebase

GraphQL

Prisma

Git

ACHIEVEMENTS

Quick Learner of the Year (12/2022)

Honored for my ability to quickly adapt to new technologies and learn new skills, demonstrating a strong commitment to personal and professional growth.

Problem Solver of the Year (12/2023)

Awarded for exceptional problem-solving skills and a strong commitment to assisting colleagues, showcasing a collaborative approach to overcoming challenges.

PERSONAL PROJECTS

Godzilla E-commerce Store

- Developed a user-friendly and responsive e-commerce platform where users can both purchase and list products. Built the backend using Node.js, Express, and MongoDB with Prisma.js for data management. Implemented an admin site in React.js for efficient product and user management.

Women Safety App

- Developed a React Native app focused on empowering women to quickly contact emergency contacts. Integrated chat functionality and a secure messaging system using JWT authentication. Utilized Node.js, Express.js, MongoDB, and Prisma to build a robust backend.

Qafila Airline Booking Portal

- Developed a web portal for managing airline bookings, user accounts, and transactions. Utilized Next.js for the frontend, with Tailwind CSS and Radix UI to create a responsive and intuitive user interface.

CERTIFICATES

Certified Web and App Developer | SMIT
(08/2021 - 07/2022)

LANGUAGES

Urdu

Native or Bilingual Proficiency

English

Full Professional Proficiency

INTERESTS

Gaming

Trying out new technologies

Fitness