Muhammad Basil Irfan Rizvi
Software Engineer

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https://stackoverflow.com/users/28047482/muhammad-basil-irfan

Education

Bahria University Karachi Campus
Bachelors in Software Engineering
2021 – present | Karachi, Pakistan
Cgpa: **3.42**

Pakistan International School
Intermediate
2019 – 2021 | Jeddah, Saudia Arabia
Percentage: **83%**

Pakistan International School
Matriculation
2017 – 2019 | Jeddah, Saudia Arabia
Percentage: **87%**

Skills

- HTML
- CSS
- TAILWIND CSS
- JAVASCRIPT
- REACT JS
- NextJs
- React Native
- NODE JS
- C#
- JAVA
- python
- ASP.NET Web API
- ASP.NET MVC
- Flask
- webhooks
- Mongo Db
- SQL
- Prisma
- Firebase
- My SQL
- Entity Framework

Certificates

- The Complete 2024 Web Development Bootcamp -Udemy 🔗
- C#(Basics) 🔗
- SQL (Basics) 🔗
- JavaScript & jQuery - Udemy 🔗
- HTML5 - From Basics to Advanced level 🔗
- Learn MySQL - For Beginners 🔗
- Python for beginners - Udemy 🔗

Profile

Final-year **Software Engineering student (CGPA: 3.42)** and **Associate Software Engineer at Apptycoons** with **9+ months** of experience in building secure, scalable applications. Proficient in **Windows Forms**, **React Native**, **ReactJS**, **Node.js**, **ASP.NET**, and **Next.js (TypeScript)**. Skilled in **SQL**, **Prisma (MongoDB)**, **Docker**, and **AWS EC2**, with experience in **AWS S3**, **webhooks**, and **cron jobs**. Integrated payment systems like **Plaid**, **Dwolla**, and **Stripe**. Possess a proactive "**can-do**" attitude and a strong eagerness to learn and excel in challenging environments.

Professional Experience

Apptycoons
Associate Software Engineer
Feb 2025 – present | Karachi, Pakistan

- Associate Software Engineer at Apptycoons, specializing in full-stack web applications using Next.js (TypeScript), Prisma (MongoDB), webhooks, cron jobs, Docker, Amazon EC2, CI/CD pipelines, and payment integrations like Plaid, Dwolla, and Stripe.

SignAxes
Software Engineer
Jul 2024 – Feb 2025 | Karachi, Pakistan

- I develop .NET applications, manage SQL databases, and build secure authentication systems. I also contributed to an AI-powered Textile Fault Detection System with features like scatter plot visualization and batch management.

Projects

TapDoc Health App (FYP)
(React Native, ASP.NET, SQL and Firebase)

- Developing *TapDoc* using React Native, NativeWind CSS, and Redux Toolkit for a seamless UI and efficient state management. Integrated Firebase for secure authentication.
- Built the backend with ASP.NET 🔗 Web API, SQL for database, and robust APIs for smooth communication and data management.
- Integrated Stripe for secure payments, Webhooks for real-time updates, and added telemedicine features for video, chat, and prescriptions.

Ecommerce Web App 🔗
(ReactJS,Asp.net and SQL)

- Utilized technologies including React.js, Asp.net, SQL, React Redux Toolkit for state management, and RESTful APIs (Axios) for a scalable and efficient architecture.
- Implemented buyer, seller, and admin functionalities, ensuring seamless interactions, transactions, and efficient management.
- User-friendly interfaces, secure authentication, and efficient data management ensure a smooth and protected experience for all users.

Movie Recommendation System 🔗
(ReactJS,Flask)

- Designed with React, Redux Toolkit, and Tailwind CSS for a responsive and intuitive browsing experience on any device.
- Utilizes a Flask backend with TF-IDF and cosine similarity algorithms for precise, personalized movie recommendations.
- Fetches and displays real-time movie data, including new releases and user ratings, for an informed viewing choice.

Techathon (Inter-University Hackathon Website)
(ReactJS, Firebase)

- Led the design and development of a responsive website using ReactJS, React Redux Toolkit, and Tailwind CSS, integrating Firebase for real-time registration management and Cloudinary for image uploads.
- Built a dynamic registration form with React Hook Form, developed a secure admin dashboard, managed GitHub repositories, and ensured smooth technical execution on Pitch Day with Framer JS animations.