Muhammad Bilal

Software Engineer | MERN Developer

CONTACT

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Skill

MERN Stack

AWS

DevOps

Portfolio

1. **Next JS Portfolio (Up to date)**

2. **Vanila HTML,CSS and JS Portolio (updated 2022)**

🔍 Personal Profile

A dedicated MERN Stack **Developer** with 3+ years of experience in building scalable web applications using **React.js, Next.js, Node.js, Nest.js, Express, and MongoDB**. Skilled in full-stack development, **OAuth integrations**, **CI/CD pipelines**, and **Lambda functions**. I have successfully led teams and contributed to the development of SaaS products like **Wrytify** and **UnifyPosts**. Passionate about continuous learning and delivering efficient, innovative solutions.

📁 Education

2018.22   BSCS - PUCIT

During my time at PUCIT, I gained a strong foundation in computer science, learning core concepts of **data structures**, **algorithms**, **software development**, and **database management**. I actively participated in programming competitions.

📋 Experience

2022.23   Celestials Technologies

Worked as a MERN Stack Developer, contributing to backend projects and learning technologies like Node.js, Nest.js, and Redis.

2023.24   Megaverse Technologies

Led the development of Seller Dash, a Chrome extension for Daraz sellers, and contributed to multiple full-stack MERN projects.

2023.24   Slark Labs

Worked on the development of **Wrytify** and **UnifyPosts**, leading a team of beginners and optimizing backend processes with **Lambda** functions, **BullMQ**, and **CI/CD pipelines.**

My Projects

1. UnifyPosts

Role: Lead Developer and Team Mentor

Description: UnifyPosts is a multi-platform social media management tool that allows users to integrate their social accounts (YouTube, X, BlueSky, Instagram, Facebook, Twitter, Pinterest, Threads) using **OAuth**, upload media schedule posts, and create graphics with a **Canva-like editor.**

Challenges Solved:

- Implemented **OAuth** for seamless account integration across multiple platforms.
- Optimized media upload process using **presigned URLs** and **Cloudflare R2** for faster storage and retrieval.
- Integrated **BullMQ** for background task scheduling and media uploads to platforms like YouTube.
  Skill Set: Team Leadership, **Next.js**, **Node.js, Express.js, MongoDB, Redis,, OAuth, BullMQ, Lambda functions**, **Cloudflare R2**, **CI/CD pipelines**, **Presigned URLs**
  Demo/Live Link: UnifyPosts

2. Wrytify

Role: Lead Developer & Team Mentor

Description: Wrytify is an AI-driven blog generation platform that allows users to integrate WordPress, Shopify, Blogger, and Wix sites to generate and manage blog posts through a centralized platform.

Challenges Solved:

- Designed the system to handle dynamic blog post creation and management across multiple platforms.
- Led a team of 3-4 developers, guiding them through the development process and mentoring them to improve their skills.
- Optimized performance for scalability as the platform grew.
  Skill Set: Team Leadership, **Next.js**, **Node.js, Express.js, OAuth, MongoDB, Backend Development, Wordpress APIs Integration,Shopify APIs Integration, Blogger APIs Integration,Wix APIs Integration.**
  Demo/Live Link: Wrytify

3. SellerDash

Role: Full-Stack Developer

Description: A Chrome extension designed for Daraz sellers to assist with product hunting and provide important seller stats and insights.

Challenges Solved:

- Integrated with Daraz APIs to retrieve real-time seller data.
- Implemented a Manual Payment Method to manage payments and subscriptions efficiently.
  Skill Set: **React**, **Node.js, Express.js, MySQL, Chrome Extension Development**, **API Integration, Frontend Development, Custom Payment System**
  Demo/Live Link: SellerDash

4. Flow Clock

Role: Developer

Description: A Webflow extension that allows users to add analog clocks to their websites. The clocks are customizable with user-selected time zones, and a custom script is added when publishing the site to start the clock.

Challenges Solved:

- Created a seamless integration with **Webflow** for embedding clocks using **SVGs**.
- Ensured dynamic customization by allowing users to select time zones for the clocks.
  Skill Set: React, Next.JS, **JavaScript**, **Webflow** Data Client and Designer Extensions.
  Demo/Live Link: FlowClock

Other Projects

MetaClout
Built a robust backend for an social media platform, providing images sales purchase.
Skills: Nest.js, MongoDB, Redis, Presigned URLs
Demo/Live Link

Snake Game
Developed a classic Snake game with responsive and interactive UI and smooth controls.
Skills: JavaScript, HTML, CSS
Demo/Live Link I Repo Link

Tic Tac Toe Game
Implemented the classic Tic Tac Toe game and styled via plain css and animation effects.
Skills: JavaScript, HTML, CSS
Demo/Live Link I Repo Link

Four In Line Game (C#)
Developed a Four In Line game using C# Forms, focusing on backend logic and UI design.and it include both player vs player and player vs computer modes
Skills: C#, Game Development
Demo/Live Link

Old Portfolio (HTML, CSS, JS)
My initial portfolio showcasing basic projects, including interactive web pages and basic CRUD apps.
Skills: HTML, CSS, JavaScript
Demo/Live Link I Repo Link

New Portfolio (Next.js)
A modern portfolio built with **Next.js**, showcasing my latest work.
Skills: Next.js, React, JavaScript, Tailwind
Demo/Live Link I Repo Link

Other Practice Projects
Includes various small projects like **interactive forms**, **animation demos**, **CRUD applications**, and more. Many of these are showcased on my portfolio.
Skills: HTML, CSS, JavaScript
Demo Links