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Skill

MERN Stack

AWS

DevOps

Portfolio

1. Next JS Portfolio (Up to date)
2. Vanila HTML,CSS and JS Portfolio (updated 2022)

Muhammad Bilal

Software Engineer | MERN Developer



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](#) | [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](#) | [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](#) | [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](#) | [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](#)