

Muhammad Bilal

Software Engineer

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Profile

Full-Stack Engineer with 3+ years of experience building scalable, maintainable web applications. Delivered **10+ projects using React and Next.js**, specializing in **TypeScript** on the frontend and **Node.js/Express.js** on the backend. Proficient in **state management** (React Hooks, Redux Toolkit/RTK Query, React Query), developing **accessible, responsive UIs**, and driving measurable **performance improvements**. Experienced with **database integration** (SQL/NoSQL), **RESTful API development**, and **CI/CD automation**, while ensuring high **code quality** through unit, integration, and end-to-end testing. Strong collaborator with **design** and **backend teams**, delivering efficient and impactful **end-to-end solutions**.

Skills

- | | | | |
|------------|-------------|---------------|----------------|
| • Vercel | • AWS | • Firebase | • Netlify |
| • NextJS | • ReactJS | • Material UI | • Tailwind CSS |
| • NodeJS | • ExpressJS | • MongoDB | • MySQL |
| • Postgres | • Redux | • React Query | • Restful Apis |

Professional Experience

Software Engineer 01/2025 – Present | lahore, pakistan
Zweivdevs

Senior Full-Stack Engineer (ExpressJS, React & Next.js) Built **scalable, high-performance web applications** with **React.js, Next.js, ExpressJS** and **TypeScript**. Delivered **end-to-end front-end solutions**, ensuring seamless **API integration, responsive UI**, and **performance optimization**. Proficient in **Redux Toolkit, RTK Query, React Query, TailwindCSS**, and **Material UI**. Deployed applications on **AWS**, while maintaining **accessibility, code quality**, and **Agile/Scrum practices**.

JavaScript Developer 08/2023 – 11/2024 | Lahore
BitCloud Solution

Full-Stack Developer (React, Next & NodeJS) 1.4 years of experience building and maintaining web applications with **NodeJS, React.js** and **TypeScript**. Skilled in developing **responsive, reusable components**, integrating **RESTful APIs**, and ensuring **cross-browser compatibility**. Proficient in **Redux** and **performance optimization**, with hands-on experience in **Agile/Scrum workflows** and effective collaboration to deliver features on time.

Projects

watchlytics

E-Commerce Web Application (NextJS & ExpressJS)

- Developed a **full-featured e-commerce web application** with **product catalog, advanced search/filter, shopping cart**, and **secure checkout**.
- Built the **frontend entirely in Next.js (React, TypeScript, HTML5, CSS3/SCSS, TailwindCSS/Bootstrap)**, ensuring **responsive design** and **cross-browser compatibility**.
- Integrated with **RESTful APIs** for product listings, authentication, payments, and order management, enabling smooth data flow between frontend and backend services.
- Implemented **reusable UI components, role-based access control, user authentication, order history/tracking**, and an **admin dashboard** for product and sales management.
- Optimized performance with **lazy loading, code splitting**, and other Next.js features, reducing load times and enhancing **user experience**.

Bluewire

Trucking System (NextJS & ExpressJS)

Designed and implemented a **trucking and logistics management platform** for **fleet tracking, shipment scheduling, and driver management** in Canadian operations.

- Built the **frontend with Next.js (React, Hooks, Context API/Redux)**, TypeScript, HTML5, TailwindCSS/SCSS, delivering a **modern, responsive, and mobile-friendly UI**.
- Developed and maintained **backend services with Express.js**, integrating **RESTful APIs** for shipments, drivers, invoices, and **real-time vehicle tracking**.
- Created **reusable components** including dynamic dashboards, load assignment modules, and notification systems for improved maintainability.
- Implemented **role-based access control** with tailored dashboards for **dispatchers, drivers, and administrators**.
- Optimized performance with **code splitting, lazy loading, and memoization**, resulting in faster load times and smoother user experience.

Education

BS Software Engineering

2016 – 2020 | Faisalabad

Government College University Faisalabad (GCUF)

Certificates

- AngularJS Developer Course – Udemy (2022)