

Muhammad Irtiza

Senior Software Engineer – Front-End Specialist

Personal Profile

Senior Software Engineer with 4+ years of experience building scalable, high-performance web and mobile applications. Proficient in modern JavaScript frameworks including React, Angular, and React Native. Strong problem-solver with a solid foundation in frontend architecture and performance optimization. Passionate about clean code, design patterns, and building maintainable, future-proof systems.

Experience

Shispare Ltd.

Senior Software Engineer May 2025 - Present

- Gained experience in breaking down large systems into modular, distributed components to improve scalability & team productivity.
- Developed the ability to architect scalable and maintainable software systems using industry best practices.
- Leading front-end development for real-time Truck Management System (TMS) projects using Angular, React Native, TailwindCSS, and Laravel.
- Managing a team of 3 associate software engineers, implementing design patterns to ensure long-term maintainability and scalability.
- Developed a custom long polling system to fetch real-time truck data from a legacy API, enabling live vehicle tracking on a map using Leaflet.js.
- Built a background image compression and chunked upload system for the Proof of Delivery (POD) feature, optimizing performance and reliability in poor network conditions.

Shispare Ltd.

Software Engineer May 2023 - 2025

- Enhanced the performance of legacy code by introducing efficient data structures and object-oriented programming (OOP) principles, resulting in a 15% speed improvement.
- Contributed to the development and optimization of multiple Warehouse Management Systems (WMS) and Order Management Systems (OMS), enhancing operational efficiency.
- Built reusable shared libraries for internal use, increasing developer productivity by 35% and promoting consistent implementation of core functionalities.
- Worked with Node.js, NestJS, and Next.js across various projects, expanding backend capabilities and delivering full-stack solutions.
- Created an internal email service using NestJS that integrated seamlessly with existing microservices and client apps, making internal communications more efficient and maintainable.

Shispare Ltd.

Associate Software Engineer May 2022 - 2023

- Built and maintained frontend interfaces for a large-scale WMS application using Angular, RxJS, TypeScript, ReactJS, and React Native, significantly improving user experience and operational efficiency.
- Integrated barcode scanning into the WMS, reducing picking errors by 20% and increasing inventory accuracy.
- Collaborated with backend teams to design and implement RESTful APIs, ensuring seamless communication between front-end and back-end systems.
- Implemented responsive design and mobile optimization, enabling warehouse staff to access the application on mobile devices, improving flexibility and productivity.

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Portfolio:

mirtiza.netlify.app

Github:

github.com/Irtiza751

Linkedin:

linkedin.com/muhammad-irtiza

Skills

Command over [HTML](#), [CSS](#), and [JavaScript \(ES6\)+](#).

Comprehensive knowledge of [JavaScript](#) & its ecosystem. Good knowledge of javascript

frameworks such as [ReactJS](#), [NextJS](#), [Redux](#), [Angular](#), [NestJS](#), and [RxJS](#).

Understanding of [Docker](#), [AWS](#), & [linux](#) operating systems.

Knowledge of [SSR](#) caching, [hydration](#) techniques, and strategies for [optimizing page rendering](#).

Have good experience in developing Restful API with [Nodejs](#), [Nestjs](#), [Prisma](#) or [Type ORM](#), [MongoDB](#), & [PostgreSQL](#). Familiarity with performance optimization techniques such as [lazy loading](#), [prefetching](#), and [caching](#).

Education

ILMA University

Spring 2021 - 2024 H.E.C., Bachelor of Science in Computer Science

Learning

Currently learning [Java Spring Boot](#) to expand my backend development expertise and build scalable enterprise-grade applications.

Side Projects

[Build a Fomogram \(Social Media App\):](#)

Fomogram is a small social media platform similar to threads with some unique features & the FOMO effects

[Build Waredrop \(E-commerce Platform\):](#)

Waredrop is a modern, budget-friendly fashion e-commerce platform built with cutting-edge web technologies