

MUHAMMAD MOHSIN

Senior Frontend Developer | 5+ Years | React.js | Next.js | Angular | TypeScript

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PROFESSIONAL SUMMARY

Results-driven **Senior Frontend Developer** with **5+ years of experience** architecting and delivering high-performance, scalable web applications. Expert in **React.js, Next.js, and Angular** with deep proficiency in TypeScript, JavaScript (ES6+), and modern frontend ecosystems. Proven track record of leading development teams, building production-grade educational platforms (madares.sa), and delivering enterprise solutions with microservice architecture. Currently expanding expertise into **Agentic AI** to transform frontend workflows and enhance user experiences.

TECHNICAL SKILLS

Frontend Frameworks: Angular (v12–v18+), React.js, Next.js, RxJS, NgRx

Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3, SASS/SCSS

Architecture: Nx Monorepo, Micro-frontend, Module Federation, Component Libraries

State Management: NgRx, Redux, Redux Toolkit, Context API, React Query, RxJS

UI Libraries: Angular Material, PrimeNG, Material UI, Chakra UI, Tailwind CSS

API & Data: GraphQL, Apollo Client, RESTful APIs, WebSockets, Socket.IO

Testing: Jest, Jasmine, Karma, Cypress, React Testing Library

Build & DevOps: Nx, Angular CLI, Webpack, Vite, GitHub Actions, Vercel, Netlify

Backend: Node.js, Express.js, MongoDB, PostgreSQL, SQL

Methodologies: Agile/Scrum, Microservice Architecture, CI/CD, Code Review, TDD

PROFESSIONAL EXPERIENCE

Tatweer Educational Technologies (TETCO) — Senior Frontend Developer

February 2024 – Present | Riyadh, Saudi Arabia (Remote)

- **Architected and developed** scalable Angular frontend for the Madares platform (madares.sa), a national-scale educational management system built with **Monorepo architecture** serving schools across Saudi Arabia
- **Implemented Nx-based Monorepo structure** enabling shared libraries, consistent tooling, and efficient code reuse across multiple Angular applications within the Madares ecosystem
- **Led frontend development** using Angular 18+, implementing responsive, high-performance interfaces with lazy-loaded modules for 10,000+ daily active users
- **Improved application performance by 40%** through strategic code splitting, lazy loading, and optimization techniques across 50+ feature modules in the Monorepo
- **Collaborated with cross-functional teams** including backend engineers, UX designers, and product managers to deliver pixel-perfect, user-centric interfaces
- **Established coding standards** and best practices for Monorepo development, conducting code reviews to ensure quality and maintainability across the development team

InvoZone — Senior Frontend Developer

January 2022 – February 2024 | Lahore, Pakistan

- **Led and managed a team of 10 developers**, promoting collaboration and achieving exceptional results in project delivery and team performance
- **Spearheaded development** of a highly scalable freelance platform (Invoteams), leading entire lifecycle from conceptualization to deployment with microservice architecture
- **Implemented state management** using Flux patterns and Redux Toolkit, ensuring efficient and predictable state management across enterprise applications
- **Interfaced with microservices** on the backend, ensuring smooth communication and integration of frontend components with corresponding services
- **Developed ERP system features** leveraging React 18's concurrent rendering and React Router 6, implementing code splitting for 35% performance improvement
- **Created and maintained** comprehensive API documentation and architecture decision records for frontend services

Remoty — Full Stack Developer

April 2021 – December 2021 | Lahore, Pakistan

- **Developed scalable frontend** using React.js and Next.js, contributing to enhanced user experience and smooth navigation on web applications
- **Optimized application performance by 25%** through strategic implementation of performance tuning methodologies and code optimization techniques
- **Utilized Next.js** for server-side rendering (SSR) and static site generation (SSG) based on project requirements, improving SEO and load times
- **Implemented React Query** for streamlined data fetching, caching, and server synchronization in task management application

KEY PROJECTS

Madares Platform | Senior Angular Developer (TETCO)

<https://madares.sa>

- **Built comprehensive educational management platform** using **Angular with Nx Monorepo architecture**, deployed across Saudi Arabia for schools, teachers, students, and administrators
- **Developed 30+ feature modules** with shared libraries including student management, grade tracking, attendance systems, and administrative dashboards
- **Architected scalable Monorepo structure** enabling independent deployments, shared UI components, and consistent development standards across teams
- **Achieved 95+ Lighthouse performance score** through image optimization, critical CSS extraction, AOT compilation, and tree-shaking

Invoteams | Lead Frontend Developer (InvoZone)

- **Architected freelance platform** to outsource teams and software developers using microservice architecture
- **Optimized application scalability** through independently deployable services and Redux Toolkit for streamlined state management

Invodesk | Frontend Developer (InvoZone)

- **Developed time tracking dashboard** using React.js and TypeScript, seamlessly integrating GraphQL APIs with Apollo Client
- **Leveraged Composition pattern** to create reusable, modular components, minimizing prop-drilling and improving performance

Invohub ERP | Senior Frontend Developer (InvoZone)

- Implemented advanced ERP features leveraging React 18's concurrent rendering and React Router 6
- Built highly reusable components following DRY principles with code splitting for enhanced performance

Remoty | Full Stack Developer

- Built task and leave management tool for remote teams using Next.js with SSR and SSG capabilities
- Implemented React Query for streamlined data fetching, caching, and server synchronization

EDUCATION

Bachelor of Science in Software Engineering

Virtual University of Pakistan | 2024 – Present (In Progress)

Bachelor of Science in Agricultural Sciences

Punjab University, Lahore, Pakistan | 2017 – 2021

CERTIFICATIONS & ADDITIONAL

Certifications: React: Server-Side Rendering, React: Ecosystems, Angular Fundamentals

Languages: English (Professional Working), Urdu (Native)

Current Focus: Agentic AI — exploring autonomous AI-driven systems for frontend transformation