

Muhammad Ali Khan

Frontend Software Engineer

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Summary

Frontend Software Engineer experienced in building scalable, responsive, and production-grade web applications using **React.js, Next.js, TypeScript, JavaScript, and modern frontend ecosystems**. Skilled in developing reusable component architectures, interactive dashboards, state management systems, API-driven applications, and performance optimized user experiences. Strong understanding of React patterns, rendering strategies, accessibility, and full stack engineering workflows.

Technical Skills

Languages: JavaScript, TypeScript, Java, SQL, HTML5, CSS3

Frontend: React.js, Next.js, React Hooks, React Router, Redux Toolkit, RTK Query, Tailwind CSS, Material UI, ShadCN

Frontend Engineering: Component Architecture, Design Systems, Responsive Design, SSR, CSR, SSG, Performance Optimization, Accessibility (a11y), API Integration, SEO

Backend: Node.js, Express.js, REST APIs, JWT, OAuth, Socket.IO, WebSockets

Databases: MongoDB, PostgreSQL, Redis, Prisma, Mongoose

Tools: Docker, GitHub Actions, CI/CD, Git, GitHub, Firebase, Cloudinary, Stripe, Postman, Vercel, Render, API Testing, Chrome Dev Tools, Agile/Scrum, Linux/Bash

Experience

Turing

Nov 2025 – Mar 2026

AI Reasoning Engineer

Palo Alto, CA, USA · Remote

- Evaluated and improved **Large Language Models (LLMs)** for code generation, reasoning, and software engineering workflows
- Designed **Codeforces-style algorithmic challenges** and structured datasets to improve model reasoning and problem solving capabilities
- Contributed to **CL-Bench** with Tencent and Fudan University researchers involving **1,899 tasks, 500 contexts**, and **31,000+ evaluation rubrics**
- Built internal tooling for response extraction, validation, defect analysis, and improving evaluation workflows

DevWeekends

Aug 2024 – Present

Software Engineer Fellow & Technical Mentor

Lahore · Remote

- Built and deployed **3+ production-style applications** with React.js, Next.js, TypeScript, reusable UI systems, and scalable frontend architectures
- Mentored developers through **10+ technical sessions** covering frontend engineering, JavaScript concepts, DSA, and software fundamentals
- Developed responsive dashboards, authentication flows, API integrations, and state management architectures
- Guided developers through code reviews, and debugging sessions within a fellowship community of **800+ developers**

Projects

NexVendor | Live | GitHub | MERN, Redux Toolkit, Socket.IO, MongoDB

- Engineered a **multi vendor e commerce platform** with responsive buyer, seller, and admin dashboards using React.js and Tailwind CSS
- Designed reusable frontend architecture including dashboards, forms, modals, layouts, and role-based UI components
- Improved frontend performance using optimized rendering patterns, reusable components, and efficient state management
- Implemented scalable frontend state architecture using **Redux Toolkit** for authentication, cart, wishlist, and dashboard workflows
- Integrated REST APIs, real-time Socket.IO messaging, Cloudinary image handling, and Stripe payment workflows
- Deployed production frontend using **Vercel** with environment-based configuration and API integration

Ilmo LMS | Live | GitHub | Next.js, TypeScript, Redis, MongoDB

- Built a **Next.js LMS platform** with responsive learner and admin dashboards using TypeScript and Tailwind CSS
- Designed reusable UI architecture for courses, video lessons, analytics dashboards, reviews, and Q&A workflows
- Implemented efficient client-side data fetching and caching using **RTK Query**, improving application responsiveness
- Created interactive analytics interfaces using **ReCharts** and Material UI for visualizing platform activity
- Integrated authentication flows, Socket.IO notifications, secure video playback, and REST API communication
- Optimized application performance using Next.js rendering strategies, component reuse, caching, and efficient data fetching patterns

Education

University of Education Lahore

2023 – 2027

Bachelor of Science in Computer Science | CGPA: 3.74

Multan, Pakistan