

# Faiz Khan

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## SUMMARY

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Full-Stack MERN Stack Developer with 3+ years of experience in building scalable applications using React.js, Node.js, Express.js, MongoDB, and Next.js. Skilled in integrating AI APIs (OpenAI, Hugging Face, Replicate), REST API's, and secure authentication (JWT, OAuth). Experienced in deploying cloud-native solutions on AWS, Vercel, Netlify, and Cloudflare. Delivered multiple projects across domains like E-Commerce, geolocation, SaaS based picfix.ai, chatbots etc, with a strong focus on clean code, performance, and user experience.

## SKILLS

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Tech Stack	MongoDB, Express.js, React.js, Node.js, Next.js
Frameworks & Libraries	Redux, Context API (State management), React Router DOM, Axios / Fetch (API requests), Prisma, Webhooks, Material UI, Tailwind CSS, REST APIs, Mongoose, JWT / Passport.js (Authentication), Bcrypt, Socket.IO (Real-time communication), React-leaflet, D3
Tools & Deployment	Microsoft Visual Studio 2022, VS Code, Git & GitHub, AWS S3, Vercel, Render, Netlify, cPanel, ChatGPT, Claude.ai, Cloudflare R2
Languages	JavaScript, C++ (Basic)

## WORK EXPERIENCE

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**Associate Software Developer (Full-Stack MERN/Next.js)** Nov 2022 - present

As a Full-Stack Developer with 3 years of experience, I design, develop, and deploy scalable web applications using React.js, Next.js, Node.js, Express.js, and MongoDB. My work focuses on building AI-powered platforms, admin dashboards, media management (IVR) systems, and enterprise tools, integrating technologies such as OpenAI, Replicate, Razorpay, WebSockets, and cloud services including AWS, Vercel, Cloudflare, and Firebase.

## PROJECTS

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### AI-Powered Image Enhancement Platform (PicFix.AI) - Full-Stack Web Application

PicFix.AI is a full-stack SaaS platform that built with Next.js, the platform integrates cutting-edge AI technologies including Google Gemini, Flux AI, and Replicate API to deliver features like photo restoration, background removal, AI image generation etc. The platform features a real-time analytics dashboard and a scalable cloud infrastructure leveraging Cloudflare R2 for optimized image delivery. Enhanced with comprehensive SEO optimization, mobile-responsive design, and enterprise-grade security, PicFix.AI serves both individuals and businesses seeking advanced AI-powered image processing solutions.

- Integration of 14+ specialized AI models including image generation, restoration, background removal, hair style transformation, etc.
- Full-featured SaaS platform with multi-currency payment system (Razorpay), credit-based subscription model, comprehensive admin dashboard with analytics, user management, and revenue tracking.
- Optimized architecture achieving 90+ Lighthouse scores with CDN integration, lazy loading, SEO optimization, mobile-first design, and scalable cloud infrastructure supporting high-volume image processing.
- Modern full-stack implementation using Next.js, MongoDB with Prisma ORM, NextAuth.js authentication, Material-UI components.

## Real-Time Geofencing & Location Tracking Platform

The platform integrates advanced mapping technologies including Leaflet, React-Leaflet-Draw, and Turf.js to deliver location-based services such as custom geofence creation, real-time user tracking, route corridor monitoring, and spatial intersection analysis. The platform features a hierarchical project management system with dynamic folder organization. Enhanced with Material-UI components, optimized map rendering, and RESTful API architecture.

- Interactive map-based system including custom polygon/circle geofencing, route corridor creation, overlapping zone detection, real-time user location tracking etc.
- Added lazy loading for nested folder structures improving initial load time by 25-35% and memoized component rendering preventing unnecessary re-renders.
- 30-40% faster map rendering through Leaflet’s canvas-based rendering, Redux RTK Query implementation reducing redundant API calls by 40-50%.

## MediaCenter (IVR Audio Management)

Media Center is an enterprise-grade multi-language IVR (Interactive voice response) audio file management system built with React and Redux Toolkit. The platform integrates advanced table management technologies including KA-Table, Material-UI, and RESTful APIs to deliver comprehensive media organization features such as dynamic language column management, MP3 file upload/playback, hierarchical category grouping, and real-time audio streaming.

- Performance & Scalability optimization achieving 40-50% faster data retrieval through Redux RTK Query with automated caching, efficient FormData handling for multipart file uploads reducing upload time by 30-35%.
- Added lazy loading for nested folder structures improving initial load time by 25-35% and memoized component rendering preventing unnecessary re-renders.
- 30-40% faster map rendering through Leaflet’s canvas-based rendering, Redux RTK Query implementation reducing redundant API calls by 40-50%.

## Live Network Monitoring & Visualization Platform (NMS)

NMS is an enterprise-grade Network Management System built with React and Redux Toolkit. The platform integrates advanced visualization technologies including D3.js, React-D3-Tree, Cytoscape.js, ApexCharts, and use-gauge to deliver comprehensive network monitoring features such as hierarchical tree topology, real-time performance gauges, multi-series time charts, and customizable widget dashboards.

- Performance & Scalability optimization achieving 35-45% faster rendering through React memoization and useMemo hooks, Redux RTK Query reducing API calls by 40-50% with caching strategies.
- Integration of 10+ specialized visualization widgets including D3-powered hierarchical tree topology with collapsible nodes, custom speedometer gauges with multi-threshold indicators.

## CERTIFICATIONS

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ChatGPT Prompt Engineering	DeepLearning.ai 2025
Front End WebDevelopment HTML	Great Learning 2022

## EDUCATION

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2017 - 2021	Bachelor’s Degree at <b>Kashi Institute of Technology</b>	(SGPA: 7.1)
2016 - 2017	Senior Secondary (12th Grade) at Haridwar Rai Intermediate College	(Percentage: 64)
2014 - 2015	Secondary (10th Grade) at Haridwar Rai Intermediate College	(Percentage: 81)