

# Mohammed Faisal

MERN Stack Developer

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## SUMMARY

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MERN Stack Developer with **1 year of experience** building **scalable web and real-time applications** using **React.js, Next.js, Node.js, Express.js, and MongoDB**. Delivered AI-powered learning platforms and real-time chat apps supporting 50+ concurrent users. Implemented **secure JWT authentication, Bcrypt password hashing, and optimized REST APIs**, improving **system performance and reliability by 30%**. Led small teams, adapted to changing requirements, and collaborated cross-functionally to deliver features ahead of deadlines.

**Key Skills:** React.js, Next.js, Node.js, Express.js, MongoDB, Mongoose, Redux Toolkit, REST API, JWT, Socket.IO, TypeScript, Agile/Scrum, Cloudinary, Multer, Vercel, Netlify

## SKILLS

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**Frontend :** React.js, Next.js, TypeScript, JavaScript (ES6+), Redux Toolkit, HTML5, CSS3, Tailwind CSS, Responsive UI/UX, Performance Optimization

**Backend :** Node.js, Express.js, REST API Development, Joi Validation, MVC Architecture

**Database :** MongoDB, Mongoose, Schema Design, Aggregation Pipelines, Query Optimization, Indexing

**Real-Time & Cloud :** Socket.IO, WebSockets, Cloudinary, Multer, Vercel, Netlify, Render

**Tools & Workflow :** Git, GitHub, Postman, Figma, Agile/Scrum, CI/CD, Unit Testing (Jest/Postman)

## PROFESSIONAL EXPERIENCE

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### MERN Stack Developer – Bridgeon Solutions

- **Engineered** a real-time chat application with Node.js, Express.js, MongoDB, and Socket.IO, supporting 50+ concurrent users with live messaging, typing indicators, notifications, and media sharing.
- **Built and deployed** 10+ RESTful APIs integrating middleware, Joi validation, and security measures, improving endpoint reliability by 30%.
- **Secured** user authentication using JWT and Bcrypt, reducing unauthorized access incidents by 100%.
- **Crafted** 15+ reusable React.js UI components with Redux Toolkit, optimizing frontend performance and reducing page load time by 25%.
- **Integrated** Cloudinary and Multer for secure media uploads, handling 50+ files per session.
- **Collaborated** in Agile/Scrum sprints, conducting code reviews and documentation, improving team efficiency by 20%.
- **Conducted** unit testing with Postman, identifying and fixing 20+ bugs before production

## PROJECTS

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### SkillMentorX – AI-Powered Mentor-Student Platform

- **Designed** a responsive Next.js + TypeScript frontend in Figma, improving student onboarding and engagement.
- **Engineered** a Node.js + Express.js backend (MVC) with MongoDB schemas for mentors, students, chats, schedules, and courses, enabling scalable data management.
- **Implemented** Email/Password + OTP authentication using Nodemailer for secure login.
- **Built** 12+ REST APIs for mentor-student matching, course management, chat, and scheduling, enhancing platform efficiency.
- **Integrated** Socket.IO for real-time chat, notifications, and live mentoring, reducing communication delays by 40%.

- **Managed** global state using Redux Toolkit for smooth frontend data flow.
- **Developed** role-based dashboards for Students/Mentors, improving usability and weekly task tracking.
- **Incorporated** an AI chatbot to assist students, reducing mentor response time by 40%.

### **Real-Time ChatApp - Messaging Platform**

- **Built** and deployed a secure full-stack chat application with role-based authentication.
- **Implemented** Socket.IO  for real-time messaging, typing indicators, and notifications for 50+ concurrent users.
- **Constructed** REST APIs for user management, authentication, and chat storage, achieving 99% uptime.
- **Crafted** responsive React.js UI with Redux Toolkit for seamless user experience.
- **Integrated** Cloudinary + Multer for secure media and file uploads.

**Live Demo:** Click Here  **Tech Stack:** React.js, Node.js, Express.js, MongoDB, Redux Toolkit, Socket.IO , Cloudinary

## **EDUCATION**

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### **Higher Secondary Education (Plus Two - Commerce)**

**GHSS Puthupparamba, Malappuram**

Completed: 2023

### **Professional Software Development Training (Full-Stack / MERN)**

**Bridgeon Solutions, Kerala – 2024-25**

- Full-Stack Web Development (MERN Stack)
- React.js, Next.js, Node.js, Express.js, MongoDB • REST APIs, JWT Authentication, Socket.IO 
- Cloudinary, Multer, Git, Agile Methodology