MUHAMMED AJMAL KT

MERN Stack Developer

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PROFILE

Full-stack web developer with experience building functional and user-friendly web applications. Proficient in JavaScript, TypeScript, React, Node.js, and MongoDB, focused on delivering high-quality code. Committed to adopting new technologies and contributing to innovative projects.

SKILLS

- **Languages:** JavaScript (ES6+), TypeScript
- **Frontend:** HTML/CSS, Tailwind CSS, React.js, Redux Toolkit, Zustand, TanStack Query
- **Backend:** Node.js, Express.js, RESTful APIs, JWT Authentication, Socket.IO
- **Database:** MongoDB (NoSQL)
- **Tools:** Git, GitHub, VS Code, Postman, Figma, Canva
- **Deployment:** Render

EXPERIENCE

Bridgeon Solution LLP   July 2024 – Present
MERN Stack Developer Intern

- Boosted backend query efficiency by 25% through optimized MongoDB schema design and API integration.
- Developed interactive components using React.js and Tailwind CSS, increasing user interaction by 40%.
- Streamlined frontend-backend communication, reducing integration bugs by 30%.
- Refactored services to reduce page load time by 1.2s, improving UX on low-bandwidth networks.
- Reduced merge conflicts by 50% through disciplined Git workflows and branch strategies.

PROJECTS

Qluster - Developer Collaboration Platform
Tech Stack: Microservices, Docker, RabbitMQ, Next.js (Frontend), Express (Backend), MongoDB, TypeScript, Zustand, React Query

- Engineered a web-based platform enabling developers to share ideas, assign tasks, and collaborate on open-source projects in real-time.
- Established a system for contributing project ideas with task assignments, role-based access, and tag-based categorization.
- Integrated real-time chat, messaging, and video calls, enhancing communication and file sharing by 40%.
- Employed Docker for containerization and RabbitMQ for reliable message brokering across services, improving system scalability by 50%.
- Built the frontend with Next.js, Zustand, and React Query, boosting state management efficiency by 30% and cutting data retrieval times by 20%, enhancing user experience.
- Structured the backend with Express.js and MongoDB, optimizing API request handling and reducing data retrieval time by 25%.
- Integrated JWT authentication with OAuth (Google login) and rate limiting, improving security by 25%.

Skill Bridge - Skill Swap Platform
Tech Stack: React.js, Tailwind CSS, Node.js, Express.js, React Query, MongoDB, Socket.IO, Redux Toolkit

- Created a platform for users to exchange skills through real-time chat and video call sessions.

- Formulated a skill assessment system with questionnaires to evaluate learning outcomes and assign profile scores, leading to a 40% increase in user engagement.
- Enabled community interaction via group discussions and knowledge-sharing, boosting engagement by 30%.
- Incorporated secure authentication using JSON Web Tokens (JWT) for reliable access control.
- Utilized WebRTC for video calls and Socket.IO for real-time chat, boosting interaction speed by 35%.
- Applied Redux for state management and React Query for data fetching, improving app performance by 20%.
- Designed a responsive UI with Tailwind CSS, boosting cross-device compatibility by 40% and improving UX by 25%.

Ecommerce Pet Food App

Tech Stack: MERN (MongoDB, Express.js, React.js, Node.js), Redux Toolkit, Tailwind CSS

- Built an eCommerce platform with admin and user modules, featuring product management and payment gateway integration.
- Embedded Cloudinary for image storage and deployed frontend and backend applications on Render, reducing server load by 30%.

EDUCATION

Bachelor of Commerce in Finance
Calicut University, 2021 – 2024

LANGUAGES

- **English**
- **Malayalam**
- **Hindi**