

RISHAV CHATTERJEE

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SUMMARY

Full-Stack MERN Developer with 6 years of experience delivering reliable, high-performance web applications, building streamlined APIs, and creating user-focused front-end and back-end solutions for real-time and large-scale products.

TECHNICAL SKILLS

- **Frontend:** Javascript, Typescript, React, Next.js, Redux, TanStack.
- **Backend:** Node.js, Express.js.
- **DevOps:** Docker, Docker Compose, AWS.
- **Database:** MongoDB, PostgreSQL.
- **Libraries:** Tailwind, Bootstrap, Shadcn.

EXPERIENCE

DigiAIR Technologies & Analytics Pvt. Ltd. - Fullstack Developer July 2019 - Present

- Delivered 10+ production-ready web applications using MERN stack and Next.js, improving platform stability and user engagement across multiple products.
- Built and optimized 5+ REST APIs and WebSocket endpoints, reducing real-time communication latency by 15% for chat, whiteboard, and collaboration tools.
- Designed ~15+ reusable front-end and back-end components, cutting development time for new features by ~20–25% and improving code consistency.
- Improved page load and rendering performance by up to 35% through component-level optimization, memoization, caching strategies, and efficient state management.
- Worked with product and QA teams to streamline release cycles, reducing post-deployment issues by 15–20% over time through better testing and documentation.

PROJECTS

Excalidraw Canvas Application | Next.js, React, Redux Toolkit, WebSockets

- Built a real-time collaborative drawing application using Excalidraw + WebSockets, enabling multiple users to draw simultaneously with smooth syncing.
- Designed a scalable Redux Toolkit architecture to manage canvas state, shapes, strokes, and collaboration logic efficiently.
- Integrated backend APIs to save, retrieve, and restore user boards, improving reliability and reducing data-loss issues by ~30%.

Comment Library | Next.js, TypeScript, Redux Toolkit, WebSockets

- Developed a reusable, plug-and-play comment module supporting threaded comments, real-time updates, and cross-project integration.
- Implemented WebSocket-based live commenting, reducing update delays by 40% and enabling instant collaboration.
- Created modular APIs for comment creation, editing, history retrieval, and authentication, improving integration time for other teams by 25%.

Video Call Application | Jitsi, Next.js, React, Redux

- Implemented a secure video calling system using Jitsi SDK, featuring authentication, meeting rooms, and participant controls.
- Integrated REST APIs for session handling, meeting scheduling, and user management, improving backend–frontend coordination.
- Improved call stability and UI responsiveness by 20% through optimized rendering, error handling, and state management patterns.

EDUCATION

- **Bachelor of Technology in Computer Science and Technology | Sep 2019 - Aug 2022**

Abacus Institute of Engineering and Management

- **Diploma in Computer Science and Technology | Sep 2016 - Aug 2019**

Technique Polytechnic Institute