Arnab Paul

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Experiences

Software Developer **Aug 2024 - Present**

Unimad **Remote, India**

- Developed responsive UI components using React.js, enhancing user experience and achieving a 30% decrease in bounce rates on key landing pages.
- Collaborated with UX designers to implement A/B testing, resulting in a 20% increase in user engagement and a 15% boost in feature adoption.
- Optimized frontend performance by implementing code splitting and lazy loading, reducing initial page load time by 40% for improved UX.
- Integrated RESTful APIs with React, ensuring seamless data flow and enhancing app responsiveness by 25%, leading to higher customer satisfaction.

Education

Electrical Engineering **Jul 2018 - Aug 2022**

Hooghly Engineering and Technical College **Hooghly**

React, Next.js, TypeScript, Prisma, Prisma ORM, PostgreSQL, TailwindCss, Docker.

Primary Schooling **May 2004 - May 2016**

Adamas International School **Kolkata**

ICSE

Skills

Programming Languages : Javascript, Typescript, React.js, Next.js, Express.js, WebSocket, Python, Tailwind, MUI, WEBRTC, kafka, Redis, PostgreSQL, MongoDB, PrismaORM

Tools : Git, Docker, Prisma, Figma, FireBase

Projects

WEBRTC-Video Calling App

- Developed a real-time communication interface using Next.js and Socket.IO, enhancing live user interactions and reducing latency by 70%.
- Implemented WebRTC-based peer-to-peer video and audio streaming, ensuring high-quality, low-latency media exchange and improving user engagement by 85%.
- Engineered a scalable signaling system with Socket.IO for establishing and managing WebRTC connections, streamlining the connection setup process and reducing call drop rates by 60%.

Scalable Chat App

- Built an interactive chat interface with React, efficiently managing high-traffic volumes and ensuring seamless communication with minimal latency for 1000+ users.
- Integrated WebSocket API to enable real-time bidirectional communication, ensuring instant message delivery and enhancing user engagement by 40%.
- Implemented responsive design and optimized frontend performance, resulting in a 50% improvement in message delivery speed and enhance user experience on various devices.

Docker Orchestration

- Optimized the deployment process for frontend applications within Docker containers, reducing deployment time by 60% and improving team efficiency.
- Implemented automated testing and continuous integration for frontend builds, ensuring high-quality code and reducing integration issues by 45%.
- Monitored and maintained the performance of frontend applications in a Dockerized environment, ensuring a 99.95% uptime and minimizing downtime risks for users.