

Nikhil Singh Rutela

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Frontend Developer with 2 years of experience crafting dynamic and responsive web applications using React.js. Skilled in building intuitive user interfaces, optimizing performance, and integrating APIs to enhance user experience. Adept at translating design concepts into functional, pixel-perfect applications while staying updated with modern web technologies.

PROFESSIONAL EXPERIENCE

Software Developer | Thoughts2Binary, New Delhi, India | Jul'2022 – Nov'2023

- Built and optimized 5+ scalable web applications using ReactJS, JavaScript, Redux, and RxJS, enhancing performance and ensuring maintainable, efficient code.
- Designed responsive UIs using Grommet design library, delivering seamless cross-device compatibility for 1000+ users.
- Created 20+ detailed Low-Level Design (LLD) documentation, outlining system architecture, component interactions, and workflows to facilitate clear understanding and smooth onboarding for developers.
- Led end-to-end development of an HR portal from scratch, solving complex business challenges and deploying a working testing prototype within 7 months that automated 3+ manual HR processes, saving 60% in administrative work.
- Collaborated closely with cross-functional teams, including backend developers, UX designers, and product managers, to ensure seamless integration of frontend components with APIs and services.
- Ensured high code quality and best practices by actively participating in more than 50+ code reviews, enforcing standards that reduced bug reports by 35%, and advocating for clean, modular, and reusable code.
- Stayed ahead of industry trends and emerging technologies, continuously researching and implementing innovative solutions to enhance application performance and user experience.
- Troubleshoot and resolved frontend issues efficiently, debugging and optimizing code to eliminate bottlenecks and improve application responsiveness by 80%.
- Followed Agile/Scrum methodologies, contributing to sprint planning and project delivery.

SKILLS

Programming Languages: C, C++, Python, JavaScript, TypeScript

Frontend Development: React Js, Redux, HTML, CSS, Bootstrap, Sass, REST APIs ,

Databases: MySQL, MongoDB

Operating Systems: Windows, Linux

Cloud Computing Platform: Docker

PROJECTS

1. **Random Friend** | Technologies: ReactJS, WebRTC, Socket.io, Node.js, Express.js.
 - Developed a real-time video calling platform enabling randomized, one-on-one video chats between user, implemented WebRTC for seamless peer-to-peer video and audio communication.
 - Integrated Socket.io to facilitate real-time signalling, messaging, and connection management, enabling instant matchmaking, session initiation, and live chat functionality between participants.
 - Built a dynamic and intuitive frontend using React.js, meticulously designed with Figma to prioritize usability, featuring responsive layouts, smooth transitions, and a clean interface for an engaging user experience.
 - Developed matchmaking logic to randomly pair users based on availability, optimizing connection speed while maintaining fairness and unpredictability in interactions.
2. **Portfolio** | Technologies: Reacts JS, JavaScript, Html, CSS
 - Designed and developed a fully responsive, visually engaging portfolio using React.js to highlight my projects, technical skills, and professional experience, ensuring an intuitive and user-friendly browsing experience.
 - Enhanced user interaction with dynamic project displays, leveraging CSS transitions and animations to create smooth, visually appealing transitions between sections, improving engagement and aesthetic appeal.

EDUCATION

B. TECH | Guru Gobind Singh Indraprastha University | Aug'2017 - July'2021

- Major: Computer Science & Engineering
- Relevant coursework: Data Structures and Algorithms, Operating Systems, Object-Oriented Programming, Database and Management Systems, Web Technology

XII (CBSE) | Sachdeva Public School | 2017