HARSHAL CHOUDHARY

Software Engineer

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PROFILE

Passionate and detail-oriented Software Engineer with strong skills in full-stack web development, real-time systems, and API design. Known for effective collaboration, strong communication, and leadership in cross-functional teams. Experienced in building scalable and secure applications using React, Node.js, and MongoDB. Adept at solving complex problems, adapting quickly to new technologies, and continuously improving through self-learning. Eager to contribute to challenging, high-impact projects in a fast-paced, team-oriented environment.

EXPERIENCE

Junior Software Engineer, **VKTechno Solutions Pvt. Ltd.**   01/2024 – Present | Indore

- **Application Interface Redesign** , (Mar 2024 – Nov 2024)
  - Migrated and redesigned an outdated user interface using React, ensuring a seamless transition with improved UI/UX for better usability and performance.
  - Improved component reuse across modules by 60%, reducing duplicate code and simplifying maintenance.
  - Enhanced UI responsiveness and accessibility, contributing to a 40% reduction in user complaints related to navigation.
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- **Real-Time Customer Assistance Bot** , (Sept 2024 – Present)
  - Developed a container tracking chat system using React, Socket.IO, Node.js, and Express, enabling users to retrieve real-time container details via API calls.
  - Integrated secure, real-time communication between customers and support teams, ensuring seamless interactions with encrypted JWT-based authentication.
  - Implemented role-based access control and session isolation to enhance security, preventing unauthorized access to conversations.
  - Handled real-time communication with less then 200ms latency using WebSockets and optimized event handling.
  - Served over 1,000 simulated API requests/day during internal testing with 90% uptime.
  - Integrated a session activity tracker to monitor user actions, detect inactivity, and enhance session security.

SKILLS

- **Languages :** JavaScript, C++, HTML5, CSS3.
- **Frontend :** React.js, Redux Toolkit, Tailwind CSS, Material-UI, Bootstrap.
- **Backend :** Node.js, Express.js, REST APIs, Socket.IO.
- **Database** : MongoDB.
- **Tools & Platforms::** GitHub, GitLab, Postman, VS Code.
- **Computer Science Fundamentals: :** Data Structures & Algorithms, Computer Networks, Object-Oriented Programming, Software Development Life Cycle, Operating Systems.

ACHIEVEMENTS

- **Best Employee of the Quarter**: Recognized for ownership, timely delivery, and initiative.
- **Team Leadership**: Lead a team with effective leadership and project management.
- **Client Communication**: Managed client interactions and delivered tailored solutions.
- **Project Delivery Excellence:** Successfully delivered 3 key projects within tight deadlines using Agile methodology and effective sprint planning.

EDUCATION

- **B.Tech in Computer Science Engineering**, Chameli Devi Group of Institutions indore   2020 – 2024 | CGPA: 8.38/10.0
- **Senior Secondary (Class XII),** Pink Flower Higher Secondary School, Indore (MP Board)   Percentage - 79.40%
- **Secondary (Class X),** Pink Flower Higher Secondary School, Indore (MP Board)   Percentage - 83.60%