

Vijay Kumar

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TECHNICAL SKILLS

Programming Languages: javascript, java, c++, PHP

Frameworks and Library: React JS, Node JS, Express JS, jquery, Redux

Databases: MySQL, Postgres, MongoDB

Tools: Git, GitHub, Postman, RESTful APIs, jira

EXPERIENCE

Kochhar Infotech

May 2022 – Present

Software Developer

Gurugram, India

- Improved large file processing performance by implementing **Node.js streams**, reducing Excel upload time for 50,000+ records from **20 minutes to under 2 minutes** while cutting **CPU and memory usage by 40%**.
- Refactored backend logic and database queries to reduce API response times by **50%**, using **query indexing, pagination, and caching strategies**
- Improved frontend performance by optimizing **React component rendering**, reducing initial load time by **30%** using **lazy loading, code splitting, and memoization**.
- Developed high-performance UI components leveraging **configuration-based architecture**, optimizing for maintainability and rapid deployment.

PROJECTS

May 2022 – Present

Real-Time Chat Application

Technologies: React.js, WebSocket, MongoDB

- Designed a real-time messaging platform using React JS, Tailwind CSS for better UI/UX experiences. and express on the backend, as use mongoDB as a database to store the users and messages services.
- Built a scalable chat application with **real-time messaging**, including features like **1-on-1 messages, group conversations, user typing indicators, and online/offline status tracking**
- Reduced message delivery latency by 30% with optimized WebSocket connections.

HRMS Migration

Technologies: React js, Node + Express, Postgres

- Designed and developed a module for displaying "Lopies" on the front-end,incorporating a sophisticated caching mechanism that minimized redundant API calls, leading to improved performance, reduced server load, and faster load times for users
- Deployed RESTful APIs or integrating third-party payment services, improving system flexibility.

CERTIFICATION

- **React js Certification - HackerRank** [view](#)
- **Backend Development Certification - Procodrr** [view](#)

EDUCATION

June 2021

Guru Nanak Dev University

Bachelor of Science in Computer Science

- Relevant Coursework: Software Engineering Principles, C++, Computer Networking, Operating System, Programming.
- Web Development (JavaScript). Web Technologies