

RITIK CHOURASIYA

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OBJECTIVE

Full-Stack Software Engineer with 2+ years of experience building scalable apps using React.js, Node.js, and MongoDB. Proven impact in optimizing system performance for 10,000+ real-time users with sub-second latency.

EDUCATION

Bachelor of Technology in Information Technology

July 2019 – June 2023

University Institute of Technology, Rajiv Gandhi Proudlyogiki Vishwavidyalaya (RGPV)

SKILLS

Backend & DevOps	Node.js, Express.js, PHP, Laravel, Java, Spring Boot, WebSockets, REST APIs, Docker, Jenkins, PM2, NGINX, Linux
Frontend	React.js, Tailwind CSS, JavaScript, TypeScript, Redux, Context API
Databases & Cloud	MongoDB, PostgreSQL, MySQL, Redis, AWS (EC2, S3), Mongoose, System Design, DSA, Networks, and DBMS

EXPERIENCE

Associate Software Engineer

July 2023 - Present

Docfilq

Remote

- Developed Docfliq's healthcare education platform from scratch using React.js/Tailwind CSS frontend and Node.js/Express.js backend, enabling Live streaming and VOD training for 10,000+ medical professionals with <200ms latency
- Boosted server throughput by 200% (5k → 15k RPS) and slashed response times by 93% (3s → 200ms) by implementing Node.js clustering, NGINX load balancing, and Redis caching, ensuring high concurrency support for live streaming.
- Enhanced database performance by implementing MongoDB indexing, refining aggregation pipelines, and integrating Redis caching, leading to a 40% reduction in average query response times.
- Improved system reliability by implementing unit tests with Mocha and Chai, achieving 45% test coverage, resulting in a 15% reduction in system downtime and faster time-to-market for new features and reducing production issues.

Software Engineer Intern

Jan 2023 - June 2023

Docfliq

Remote

- Designed and developed an intuitive CMS dashboard with analytics using MERN stack (MongoDB, Express, React, Node.js), reducing content creation time by 50% and improving content consistency.
- Increased platform engagement by 35% by implementing real-time notifications using WebSockets, which led to a 20% increase in user retention.
- Deployed an IP-based rate-limiting system to prevent DDoS attacks, improving API uptime by 10% and reducing malicious traffic.
- Improved database indexing and optimized query performance, achieving a 30% reduction in average response time under high load, which contributed to better system responsiveness and an enhanced user experience

PROJECTS

Pollsage. Built a full-stack live polling app using React.js, Node.js, MongoDB, and WebSockets. Designed to handle over 500 concurrent users with <300ms latency for real-time vote updates across MCQs, ratings, and open-ended questions. Secure authentication implemented with JWT for both anonymous and registered users. ([Try it here](#))