RITIK CHOURASIYA (sweritikchourasiya@gmail.com)

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PROFESSIONAL SUMMARY

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.

SKILLS

- **Backend**: Node.js, Express.js, WebSockets, PHP, Laravel, Java, SpringBoot, RESTful APIs
- **Frontend**: React.js, Tailwind CSS, JavaScript, TypeScript, Redux, Context API
- **Databases**: MongoDB, PostgreSQL, MySQL, Redis, Mongoose, Sequelize
- **DevOps & Cloud**: AWS (EC2, S3), Docker, Jenkins, NGINX, Linux, NGINX, PM2, Git
- **Others:** Data Structures, Algorithms, System Design, Computer Networks, DBMS

EXPERIENCE

Associate Software Engineer | Docfliq Pvt Ltd ***July 2023 - Present***

- 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.
- **Technologies Used -** React.js | Node.js | Express.js | MongoDB | Redis | NGINX | Docker | AWS (EC2, S3) | Jenkins, RESTful APIs

Software Engineer Intern | Docfliq Pvt Ltd ***Jan 2023 - June 2023***

- 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
- ***Technologies Used -*** React.js | Node.js | Express.js | MongoDB | NGINX | JWT | WebSockets | Docker | Mocha, Chai

PROJECTS

Pollsage | Full-Stack Live Polling Application | *Link*

- Built a full-stack polling platform using React.js, Node.js & MongoDB and WebSocket, supporting 500+ concurrent users with <300ms latency for live vote updates and interactive visualizations for multiple question types (MCQs, ratings, open-ended).
- Implemented scalable authentication using JWT to ensure secure access control for both anonymous and registered users across the platform.
- Optimized RESTful API endpoints by implementing MongoDB query indexing, aggregation pipelines, and pagination to minimize query execution time, reduce server response latency and improve system scalability and overall performance.
- ***Technologies Used -*** React.js, Node.js, MongoDB, WebSockets, Express.js, Aggregation Pipelines, Pagination, JWT

EDUCATION

University Institute of Technology, Rajiv Gandhi Technical University ***July 2019 - June 2023***

Bachelor's of Technology in Information Technology, Bhopal, India