

RITIK CHOURASIYA

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SUMMARY

Full-Stack Software Engineer with 2+ years of experience building scalable web applications using React.js, Node.js, and MongoDB. Proven ability to optimize backend performance and handle 10,000+ real-time users with sub-second latency.

SKILLS

Backend Engineering	Node.js, Express.js, REST APIs, WebSockets, PM2, JWT, Mongoose
DevOps & Cloud	Docker, AWS (EC2, S3), CI/CD Pipelines, NGINX, Jenkins, Linux, Git
Databases	MongoDB, Redis, PostgreSQL, MySQL
Frontend	React.js, JavaScript, TypeScript, Tailwind CSS, Redux, Context API
CS Concepts	System Design, Data Structures & Algorithms, Networks, DBMS

EXPERIENCE

Software Engineer Bestpeers Infosystem	September 2025 - Present <i>Indore, India</i>
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- Set up the initial frontend architecture using React.js and Tailwind CSS, establishing a scalable component structure and reusable layout patterns for the client's logistics management platform.
- Designed and implemented the database schema and data flow architecture using MongoDB, focusing on efficient document modeling, indexing strategies, and future scalability.
- Initiated CI/CD pipeline setup following GitOps principles — configured GitHub Actions for continuous integration and integrated ArgoCD for automated deployments to staging environments.
- Collaborating with backend and DevOps teams to define REST API contracts using Swagger and establish consistent environment configuration for seamless local and remote development.

Associate Software Engineer Docfliq	July 2023 - July 2025 <i>Remote</i>
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- 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 Docfliq	October 2021 - June 2023 <i>Remote</i>
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- Contributed to the development of a CMS dashboard using the MERN stack, improving content creation workflows by 50% through building intuitive UI components and supporting backend API integration.
- Helped increase platform engagement by 35% by integrating real-time notifications using WebSockets under mentorship, which supported a 20% improvement in user retention.
- Improved API reliability by 10% by assisting in the implementation of an IP-based rate-limiting solution to mitigate spam and DDoS attempts.

- Reduced database response time by 30% during high-traffic scenarios by optimizing queries and adding indexes with support from senior developers, leading to a more responsive user experience.

EDUCATION

Bachelor of Technology in Information Technology

July 2019 – June 2023

University Institute of Technology, RGPV, Bhopal

PROJECTS

SilverHawk APM. Architected and developed a cloud-native, production-grade Server Observability Tool using NodeJs, ExpressJs, ReactJs, TimescaleDB, Redis, and RabbitMQ. Designed to deliver real-time infrastructure and application observability with <200ms latency and zero downtime deployments. Implemented agent-based metrics collection, multi-tenant SaaS architecture, automated CI/CD with Jenkins, and a disaster recovery strategy ensuring 99.9% uptime. ([Github Link](#))