Ritik Chourasiya

in LinkedIn | ○ GitHub | 📱 +91 6261539526 | ✉ softwareeng.ritik@gmail.com | Bhopal, India

SKILLS

Proficient: TypeScript | JavaScript | Node JS | Express JS | React JS | MERN Stack | MEVN Stack | MongoDB

Intermediate: Go lang | PHP | C++ | Python | Laravel | Redux | Docker | Linux | Git | GitHub | Jenkins | Websocket | Redis | PostgresSQL | NGINX

Familiar: Jest | Mocha | Chai | Restful API Design | Load Balancer | Frontend | Backend | Fullstack development

WORK EXPERIENCE

Associate Software Engineer | DOCFLIQ | Link   **4 Months**   **July 2023 - Present**

- Developed **backend APIs** for 4+ features within the HCP Engagement platform used by healthcare professionals
- Design and developed an **intuitive CMS Dashboard with Analytics** using the **MERN (MongoDB, Express, React, Node.js)** stack, reducing in a **50% reduction in content creation time** and improved content consistency
- **Enabled data-driven decision-making** for admins for their next promotion campaigns by providing valuable insights, resulting in a substantial ~**25% improvements in administrative efficiency**
- **Optimized database queries**, achieving a **40% reduction in response time**, and strengthened user authentication mechanisms leading to a **30%** reduction in **security vulnerabilities**

EDUCATION

University Institute of Technology, RGTU   **Bhopal**
Bachelor in Technology (B. Tech) in Information Technology   July 2019 - June 2023

PROJECTS & INTERNSHIP

Backend Developer Intern | DOCFLIQ | Link   **20 Months**   **October 2021 - JUNE 2023**

- **Achieved a 25% improvement in data retrieval** speed through the design and optimization of the **MongoDB database** schema, resulting in significantly improved **system responsiveness** and a substantial increase in **user satisfaction.**
- **Increased 30% user interaction and engagement** through the successful implementation of a highly anticipated feature utilizing **WebSockets technology**, significantly enriching the **overall platform engagement**.
- Engineered and deployed an advanced **IP-based rate limiting system**, mitigating **DDoS attacks** and reducing server load by an **impressive 40%**, safeguarding **service reliability and customer satisfaction**.
- **Implemented a robust suite of unit tests** covering ~**45%** of the codebase, thus significantly enhancing **code quality and reliability** using **Jest framework**

CARRIER JS | Javascript Library | Official Documentation | Github | NPM | 2.2k+ downloads   **August 2022 - Present**

- **Led the development** and maintenance of Carrier JS, a **caching-based HTTP client** for browsers, enhancing data access efficiency by storing frequently accessed data and reducing server load.
- Combined **in-memory caching** using **IndexedDB** to significantly improve data retrieval speed and lower server resource consumption, resulting in enhanced **website latency and user experience**.
- Successfully ensured compatibility with all major browsers, such as Chrome, Edge, Firefox, Opera, and Safari, ensuring **seamless performance** across diverse user environments.
- Collaborated with **15+ contributors** to manage and maintain Carrier JS, garnered **15 stars and 19 forks on GitHub**, reflecting its recognition within the developer community and open-source contributions

HEADX | NPM Package | Official Documentation | Github | NPM | 1.4k+ downloads   **July 2022 - Present**

- **Introduced and created Headx**, a **React package** for effortless management of SEO meta tags and other head elements in HTML files, enhancing web page optimization and user experience.
- Effectively employed Headx to **streamline SEO** efforts by seamlessly integrating essential meta tags, including titles and descriptions, into web pages, resulting in a **significant boost in search engine visibilit**y and online presence.
- Managed SEO configurations across multiple web pages, utilizing its robust capabilities for **default SEO properties** and comprehensive support for a **wide range of head tags**.
- Gained **6 stars, 4 forks,** and received contributions from **3 other developers on GitHub**, underlining its recognition and collaborative impact within the developer community.

COURSE WORK

- Computer Networks, Operating System, DBMS, OOPS, DSA
- Fundamentals of Backend Engineer by Hussein Nasser - Udemy (Link) - Obtained in-depth knowledge in backend engineering fundamentals and communication protocols, including HTTP/1.1, HTTP/2, HTTP/3, gRPC, WebRTC, WebSockets, and security measures like TLS 1.2 and TLS 1.3, facilitating proficient backend development and integration.
- Algorithms Part 1 and 2 by Coursera - Gained knowledge of data structures, algorithmic techniques, and their practical applications