Mohit Kumar

Crafting seamless, high-performance web experiences with **2.5** years of hands-on expertise.

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Relevant Experience

Software Engineer · **PC Solutions**   August 2024 — Present

- Developed and deployed end-to-end full-stack applications, handling system design, frontend, backend, database integration, and API development.
- Designed scalable and maintainable architectures, improving system efficiency and security.
- Worked with JavaScript, TypeScript, React, Express.js, and SQL, optimizing performance and debugging complex issues.
- Explored and implemented micro-frontend architecture and PWA concepts to enhance modularity and user experience.
- Led requirement gathering, system design, client meetings, and testing, ensuring smooth project execution.
- Strengthening core software engineering skills, diving into deeper system architecture, security, and performance optimizations.

Frontend Engineer · **Exalens**   March 2023 — February 2024

- Engineered real-time cybersecurity dashboards with React, D3.js, and Devextreme, enabling proactive threat analysis via interactive, high-performance visualizations (Reduced loading time by 35%).
- Optimized data visualization performance for large datasets(millions of records), reducing rendering time and responsiveness through code splitting & other techniques (Achieved 3x faster user interaction).
- Built custom, interactive D3 charts (line, scatter, area) with zooming, panning, dynamic axes, and time-range selection for flexible exploration of diverse datasets.
- Adept at web performance optimization for large datasets in React, proficient in Context API and diverse optimization techniques, ensuring smooth user experience and efficient data visualization.

Freelance & Contract Positions

Frontend Developer · **Shree Jewellers**   March 2022 — April 2022

- Facilitated in-depth client consultations to define project scope and UI goals
- Crafted a sophisticated UI employing ReactJS, StyledComponents, MaterialUI, and Swiper.
- Implemented cross-browser compatibility and responsiveness with Flexbox and Grid.
- Delivered a production-ready UI exceeding client expectations, ensuring alignment with project specifications.

Backend Developer · **AG Consultant**   August 2021 — October 2021

- Developed a robust Node.js backend utilizing clean, well-architected code for scalability and maintainability.
- Architected and implemented RESTful APIs for core functionalities like user login, signup, and user panel interactions, ensuring efficient data exchange.
- Functioned as a full-stack developer, collaborating effectively with the front-end team to build the user panel and integrate UI components with the backend.
- Leveraged AJAX for asynchronous data fetching and manipulation, enabling a responsive and dynamic user interface.

Apprenticeship

Full Stack Developer · **SRM University**   March 2021 — May 2021

- Developed and implemented scalable back-end, employing MongoDb, ExpressJs and PassportJs.
- Built User Panel and REST APIs performing several functions throughout the website.
- Used best practices for better SEO, less buffering and understandable code.
- Developed stunning front-end UI, covering GRID, Carousels, and Accordions.
- Worked closely with other front-end team members to develop, document and manage the website using JavaScript and EJS Template.

Skills

Programming Languages
JavaScript (ES2015+), TypeScript, HTML, CSS, Sass, SQL

Libraries & Frameworks
React, Next.js, Node.js, Express.js
JWT, MSAL, MYSQL, D3.js, DevExtreme

Tools & Platforms
Git, GitHub, Netlify, Vercel, Docker, Webpack, Vite, Postman

Projects

Chart Library   July 2024 — Present
A Chart library built on top of D3.js with typescript and immutable.js and lodash for performant, optimized charts that can handle large number of data points.

Amazon Clone   May 2022 — Sep 2022
A Complete Amazon Clone built with ReactJs, Redux and Serverless. Search for products, add them to your cart and that's it.

Education

SRM University   Aug 2018 — July 2021
Bachelor of Application in Computer Science.
C.G.P.A - 8.27