Sainya Goyal

Senior Software Developer

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SUMMARY

Software Engineer with 3+ years of experience in frontend development, specializing in ReactJS, Redux, CSS and HTML. Proven track record of optimizing system performance, automating workflows, and developing scalable solutions that improve user experience and operational efficiency. Passionate about problem-solving, innovation, and driving business impact through technology.

SKILLS

Programming   JavaScript, HTML, CSS, C++
Frameworks   ReactJS, Redux, NodeJS, RESTful API, OOP
Testing   Jest, Scalability Testing, E2E testing, Package Testing
Performance Optimization   LightHouse, React Profiler, Agile Methodology, Code Review, Code Refactoring

WORK EXPERIENCE

Software Engineer I   Jan '24 — Present
Tekion Corp.   Bengaluru, India
- Integrated a central unit test framework into the Accounting team, improving code quality, catching bugs early, and making refactoring safer using Jest.
- Optimized the Payment Register initial load time by analyzing performance bottlenecks using LightHouse, React Profiler, and Network Waterfall model to reduced Largest Contentful Paint (LCP) to under 2 seconds through API optimizations, Redux caching, and UI improvements.
- Implemented a manual batch payment system, allowing dealers to select multiple invoices from multiple vendors and create batches directly from the invoice screen, eliminating the need to create batches in separate modules, reducing processing time by 50%.
- Developed configurable Journal Entry (JE) tabs across all Accounts Payable (AP) modules, ensuring consistency in accounting workflows and enhancing product stability.
- Led the onboarding process for a new software engineer, providing mentorship on team workflows and best practices, resulting in reduction in orientation time.
- Implemented Central Scaling across all Accounts Payable modules by optimizing APIs to meet requirements from the Asbury dealer (UK expansion of Tekion). Successfully deployed for both US and UK markets, enhancing performance and user experience.

Associate Software Engineer   Jul '22 — Dec '23
Tekion Corp.
- Conducted a Proof of Concept (POC) for the Vendor Invoice Flow using configurable accounting. Designed and implemented a fully configurable vendor invoice workflow, covering invoice creation, journal entry (JE) generation, and payment processing.
- Developed a dynamic list view to display invoices with various statuses and incorporated configurable row actions, including voiding and adjusting invoices reducing dealer effort by 70% and enabling real-time invoice tracking.
- Integrated localization utilities across all Accounts Payable (AP) modules, managing currency, phone numbers, date formats, and languages based on user and dealer locale, facilitating Tekion's expansion into France and the UK.
- Developed bulk invoice posting functionality, enabling dealerships to post multiple invoices simultaneously, improving performance by 75%.
- Enhanced Form1099 tax reporting, delivering yearly improvements that streamlined the tax filing process for dealerships.

Associate Software Engineer Intern   Jan '22 — Jun '22
Tekion Corp
- Developed an online food delivery web app using ReactJS, incorporating React Table for restaurant listings and React Form for seamless order placement.
- Spearheaded the Dealer Onboarding project, streamlining the onboarding process with a drag-and-drop functionality, simplifying platform integration.

Web Development Intern   May '20 — Aug '20
Ciesta Technologies
- Built login and signup functionalities, enhancing user onboarding and ensuring a seamless registration experience.

EDUCATION

Bachelor in Information Science, Ramaiah Institute of Technology (GPA: 9.62/10)   Jul '18 — Jul '22
                                                                                                                  Bengaluru, India

LEADERSHIP & COMMUNITY ENGAGEMENT

Core Team Member & Social Media Manager, Google Developer Student Clubs   Feb '20 — Feb '22
Organized and facilitated online/offline events like Ideathon, Capture the Flag, and LeastCode. Conducted workshops for 50+ students per session, covering JavaScript, HTML, CSS, and Git.

PUBLICATIONS

Chapter 12: Study on Traffic Enforcement Cameras Monitoring System to Detect the Wrong-Way Movement of Vehicles Using Deep CNN
IET Digital Library
https://digital-library.theiet.org/content/books/10.1049/pbpc042e_ch12