MANAV MENDIRATTA

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PROFESSIONAL EXPERIENCE

I am currently a Senior Software Engineer designing, customizing, developing and deploying a high quality web-app that delivers real-time data to team members across headquarters and warehouses. I have a passion to learn and adapt to new technologies, as well as a curiosity to build scalable APIs and microservices.

Target Corporation, Minneapolis, MN   July 2020 – Present
Senior Software Engineer (Present)

- Developed an internal tool for over 4,000 team members ranging from warehouse team members to senior executives to drive success across the supply chain
- Use React and Typescript to craft a responsive web page that allows users to track freight, create analytics charts, and increase efficiency of warehouse operations
- Contributed to a reusable, internal component library to build higher level modules for overall consistency across the application and ease of updating in all locations
- Created robust unit and functional UI tests with Jest and Cypress
- Work closely with data teams and consume GraphQL and Rest APIs
- Virtually onboarded and mentored new engineers to Target and my team
- Facilitated conversations between UX designers, product owners, and customers to achieve operational goals within Target's supply chain
- Collaborated on a highly scalable proxy layer using Micronaut between the user interface and 35 APIs to measure and visualize the health and metrics of each API
- Engineered several Kafka consumers to intake updates for the movement of inventory throughout a store

Software Engineer Intern (May 2019 – Aug 2019)

- Delivered a REST Service through a user interface to streamline encrypted data for 200 million records in an Agile environment that was presented to C-suite officers
- Implemented a caching function to scan Target's game code database in partnership with Microsoft, Nintendo, and others to save $2 million and solve for parallel transactions

EDUCATION

University of Wisconsin-Madison, Madison, WI   May 2020
Bachelor of Science in Computer Science

PROJECTS

- Groupomania: Built a full-stack web app that allows users to create an account and add to a 9gag style forum for others to view. The web service is a NodeJs and Express backend with a Postgres database running in a Docker container. The web-app incorporates a React frontend that connects to Imgur's API which stores multimedia content
- Book Reviews: Built full-stack web app with a NodeJs, Express, and MongoDB backend, with a React frontend using AntD design components. This is a website built for users to write book full review descriptions, give opinions and ratings. This is hosted with Render.com and Netlify
- SimplQ: Contributed frontend code to a web-based open source project that allows users to create virtual queues on demand
- Received a certificate from OpenClassroms in the course Go Full-Stack With Node.js, Express, and MongoDB
- Volunteered on local pro-bono project to help a local artist with her technological needs to sell her artwork more effectively

INTERESTS

I love being outdoors during all seasons, whether it be golfing or hiking in the summers, or snowboarding and ice skating in the winters. I really enjoy cooking, trying new restaurants or breweries, and traveling to new places around the world. Oh, and I'm the biggest Minnesota sports fan out there!