

Garima Bhatia

Software Engineer, New York City, Metropolitan Area

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Skills - TypeScript, JavaScript (ES6+), React (Hooks), Redux, Node.js, Express.js, SQL - PostgreSQL, NoSQL - MongoDB, ChartJS - Data Visualization, Webpack, HTML, SASS/SCSS + CSS, Git/Github Flow, Docker, Electron, AWS, GraphQL, Jest

Experience

Software Engineer, *Docketeer* docketeer.org

2022 - present

- Used Electron to package an app into an external GUI, enabling NodeJS runtime outside of a browser environment to make the app more accessible across major desktop operating systems
- Employed ChartJS to create a dashboard UI of the charts, providing visual representation of data helping users understand and analyze Docker container metrics making it easier to compare and identify container usage trends and patterns
- Used React Hooks to handle UI state, enhancing the metrics page's data visualization with compact widgets that provide an overview of tracked data and the ability to expand into a detailed view
- Asynchronously called Docker commands to retrieve data from multiple containers by writing a helper method that returned command line functions as promises
- Utilized TypeScript and custom types to consolidate type definitions with the purpose of improving code maintainability and project scalability
- Leveraged CSS to establish a cohesive design system across the entire application, resulting in an elevated UI/UX
- Utilized Jest to expand test coverage by writing unit tests for the Docker compose page enabling fast and efficient testing and future extensibility
- Implemented GitHub Actions for CI/CD to automate testing and code review on every pull request, ensuring high code quality
- Developed as an Open Source Product under the tech accelerator OS Labs(opensource.labs.io)

Open Source Projects

2022-present

FitTracker - Full Stack Software Engineer - Daily Exercise tracking app

- Built a Node.js/Express server to efficiently handle API requests and modularize CRUD operations for user data by using router, controllers and middleware design pattern
- Employed the fetch API to gather 3rd party API data which was then passed through custom algorithms to categorize and normalize a user's specific data
- Used non-relational database (NoSQL-MongoDB) to store user data to enable future scalability, with its distributed architecture and ability to horizontally scale, and flexibility in case future data became more complex and expanded beyond the data's initial schema

MyBookcase - Full Stack Software Engineer - Book discovery and Virtual Bookshelf App

2022-present

- Used Redux Toolkit to more efficiently implement state management of data with its APIs for common Redux use cases such as handling asynchronous actions
- Used React Router to implement frontend page routing and authentication-based protected routes delivering improved navigation and enhanced security for the application
- Used a relational database (PostgreSQL), to create a secure source of truth where data can be retrieved easily and flexibly from multiple tables associated with one another
- Employed Sass to create a fun, skeuomorphic bookshelf UI that displays the user's book collection list
- Used React to create a custom modal component that enabled efficient development with its reusability in multiple use-cases throughout the app (e.g., login page and book search UX)

Public Talks - Introduction to GraphQL | JEENY and Bracelet, *Speaker Series* - 2023

Education - Bachelor's of Mass Media - Advertising, Mumbai University

Interests - I'm a trained professional dancer and I never stop honing my skills by exploring various dance styles. When I'm not dancing, I love catching live music shows and checking out local art exhibitions and museums