
Lauren Malik

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Education

Michigan State University | Bachelor's of Science | Computer Science Engineering
Cognate | Web Design & Development, Media & Information

Technologies

Back-End - Java, Groovy, Gradle, Python, Ratpack, Spring, Kafka, Docker

Front-End - React, Redux, JavaScript, CSS, Material UI

Databases - PostgreSQL, Redis, Firebase, Jooq

Testing - Spock, JUnit, Jest, Jenkins, React Testing Library

Experience

Software Engineer - Supply Chain | Target Corporation | 2-20-2020 to present

- ✦ Developed an intricate design of back-end micro-services that process over 100,000 boxes of inventory weekly through a warehouse using event driven Kafka architecture.
- ✦ The applications respond to the conveyor about where to divert them by querying the routes from a Postgres database using a Jooq repository and REST Api architectural style.
- ✦ 24/7 week long on-call rotating shifts to support the warehouse systems and workers.

Problem Pointer - Personal Project | problem-pointer.web.app | 5-30-2022 to present

- ✦ Designed and implemented a web application, in React using Redux, to aid teams in Agile story pointing.
- ✦ The site is hosted publicly and uses a realtime Firebase database to store sessions, team member names, and point estimates. Database modifications are made using the CRUD paradigm.
- ✦ Dark / light themes are provided using advanced styling techniques; which meet accessibility standards.
- ✦ Google analytics is used to track the metrics of visitors to the site.

Software Engineer - Merchandising | Target Corporation | 7-15-2019 to 2-20-2020

- ✦ Created various React components and services for a multi-page web application to help business partners to aggregate data into a cohesive exportable report without having to know a query language.
- ✦ Robustly unit tested components using the Jest test framework.
- ✦ Collaborated directly with an accessibility team and designer to guaranty the app is friendly for all users.

Leadership & Involvement

Hack Week | 2022

Developed a web application in React to display the nested conveyor chute layouts of Target warehouses.

Demo Day Presenter | 2022

Presented to the CIO and CEO to demonstrate how the new sortation process helps inventory to be placed in the store more safely and efficiently.

Group Leader & On-boarding Coach | 2020 to present

Lead bi-weekly meetings for a group of six new engineers to provide career advice and to make sure that they are on the right path to meet their career goals. Additionally, helped with three weeks of on-boarding.

Python Teaching Assistant | 2017 - 2018

Facilitated a group of 20+ students to learn the basics of Python, through weekly recitation sessions. Held help room hours and graded students' projects.