Jackson Price

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Experience

Business Systems Analyst May 2019 – Present
Tenet Healthcare, San Antonio, TX

- Built and deployed a suite of web apps utilized by hospital supply chain directors. Web apps helped identify and reduce over $80K in par and non-stock inventory in the first three months of production. (See "Projects" section)
- Automated reporting ecosystem which reduced daily time running reports by over 80% (three hours daily to thirty minutes daily). Utilized tools such as Python, PostgreSQL, and Tableau Server.
- Developed dashboard which tracked company PPE during COVID-19 and was utilized by Senior Leadership to track the movement of over 28 million units of protective equipment to 66 hospitals across 6 states.

Graduate Research Assistant August 2018 – May 2019
Baylor University, Keller Center for Research, Waco, TX

- Ghostwrote research papers for business school's monthly research publication.
- Authored bi-monthly book review on recent business publications.
- Assisted with the tracking and processing of website analytics and email campaigns.

Projects

Par Level Reset (Django, React, PostgreSQL, AWS) Demo
A web-based system that calculates and recommends optimal inventory levels

- Developed optimization algorithm which calculated, on average, an additional $100K per facility in excess inventory when compared to existing materials management system.
- Utilized task queue with Celery and RabbitMQ to prevent blocking when calling long running API's and enable asynchronous task execution.
- Built automated ETL process that crawled web client of materials management system for data extraction, transformed and calculated new par levels using optimization algorithm, and loaded into production PostgreSQL database.

Reduction Toolkit (Django, PostgreSQL, AWS) Demo
A web app that helps identify and remove non-moving inventory

- Oversaw deployment of project to the six facilities it was implemented in. Helped train directors on how to use the web app.
- Diagnosed and improved time complexity of long running aggregation algorithm from O(mn), where m is users and n is the number of user submissions, to O(n) using a hash table data structure.

Skills

Python, Django, Bash, Linux, JavaScript, NodeJS, React, Next.js, Git, PostgreSQL, Celery, RabbitMQ, HTML5, CSS3, Tailwind CSS, AWS, GCP, Tableau

Education

MBA, Healthcare Specialization May 2020
Baylor University, Waco, TX

BS, Management, Healthcare Analytics Specialization, Cum Laude May 2018
The University of Alabama Honors College, Tuscaloosa, AL