

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

- [Ghostwriter](#) of research papers for business school’s monthly research publication.
- [Authored](#) bi-monthly book review for recent business publications.

Projects

Par Level Reset (Django, React, PostgreSQL, NGINX, AWS)

[Demo](#)

A full stack web application that calculates and recommends optimal par inventory levels

- Developed novel par level algorithm which resulted in identifying an additional \$100K in excess inventory, per facility, when compared to algorithm used by existing materials management system.
- Designed and built extensive REST API using **Django REST Framework** and **PostgreSQL**.
- Created Single Page Application frontend using **React** with **Redux** for state management.
- Built automated ETL process to crawl ERP web clients for data extraction with **Selenium**, transforming data for production with **Pandas**, and loading the data into SQL database using **SQLAlchemy**.

Reduction Toolkit (Django, PostgreSQL, NGINX, AWS)

[Demo](#)

A full stack web application that helps identify and remove non-moving non-stock inventory

- Built full stack application and oversaw rollout to six hospitals in South Texas.
- Deployed **Django** app in **EC2** instance on **AWS** and served dynamic templates behind **NGINX** reverse proxy.
- Utilized task queue with **Celery** and **RabbitMQ** to prevent blocking when calling long running API’s and enable asynchronous task execution.

Skills

- Languages: Python, JavaScript/HTML/CSS, SQL, Bash
- Frameworks and Libraries: Django, Django REST Framework, Flask, Node.js, React.js, Next.js, Redux
- Tools: Git, Linux, Docker, Kubernetes, AWS(EC2, S3, RDS), GCP(GKE, CloudSQL), Celery, RabbitMQ

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