Reeves Froning
Data Science Engineer

I am part software engineer, and part data analyst with a passion for learning and applying new technologies

Contact Info

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Professional Skills

Coding Languages

- Python
- JavaScript
- SQL

Frameworks/Tools

JavaScript, HTML/CSS

- bootstrap
- React
- Express.js

Python

- pandas
- selenium
- requests
- numpy

Other

- BI Tools (Looker, Google Data Studio, Kibana)
- Apache Airflow
- Cloud Technologies (AWS/GCP)
- Linux/Unix Systems
- Kubernetes
- Docker

Developing/At Home Skills

Coding Languages

- Go Lang
- Java

Current Work Applicable Skills

- Dask (Python distributed DataFrames)
- Flask (Python Micro Web Server)
- Click (Python CLI package)

Languages

Japanese

Data Science Engineer
2021-05 - Present | Rakuten Inc.

- Fully own cloud-based application from initial requirements to development, release, and post-release support
- Currently doing full-stack work to build a no-code/low-code ETL builder service with React in the front-end and Python in the back-end to empower internal users to create geospatial map layers without development resources.
- Refactoring cloud hosted Kubernetes deployment to trim down on resource requirements
- Automation of operational tasks through Python, Bash Scripting, and Kubernetes Jobs
- Implemented a standard development environment to add consistency to development of the application
- Created standard user request flow by building an HTML form on Confluence that communicates directly to the teams JIRA board.
- Provided consultation, and participating in development of version 2 of a cloud-based BI Platform with sister team

Business Intelligence Associate
2019-10 - 2021-04 | OYO Japan

- Created and maintained dashboard in Google Data Studio by creating a pipeline between our Data Warehouse, and AWS's S3 Cloud Object Storage via a combination of SQL, Python, and Airflow deployed on an AWS EC2 instance.
- Supported multiple business units analyst teams through crafting multi sourced ETL pipelines pulling from user files, the Data Warehouse, and publicly available data, with Python and Airflow deployed on Amazon EC2 deployed on an AWS EC2 instance.
- Supported marketing team by developing server-less Single Page Web Apps for marketing landing pages using the React Framework
- Developed and maintained internally used Python packages for easily interacting with the Data Warehouse, and other tools used by analyst teams
- Supported front end development team in handling development requests, for the React based web page, from marketing, and branding teams

honestbee
2018-08 - 2019-08

- Contextualized the operations team's pain points, identifying the utilization of delivery staff for our grocery delivery vertical as our weak link through data analytics, by pulling raw data from our data lake via SQL (Amazon Redshift) through Looker, processing and visualizing with Python, packages: pandas, matplolib, and folium, along with Excel.
- Improved contractual delivery personnel hiring rate, through the virtualization of entire on-boarding process by building a link from our survey platform provider to our system using JavaScript inside Google Apps Script.
- Supported our food delivery vertical with analytics for targeting areas for restaurant acquisition, reducing cost of delivery staff, while balancing delivery times, with Python and Excel.
- Drafted phase one of a fleet optimization system using Dijkstra's shortest path algorithm.
- Performed Time Series Analysys for capacity planning of number of drivers available for assignement on a per shop basis, based on day of week. and time of day taking into account seasonality