

JUSTIN FLANNERY

DATA SCIENCE ENGINEER

📞 303.917.9652

✉️ juftin@juftin.com

📍 Denver, CO, USA

🌐 linkedin.com/in/justinflannery

🐙 github.com/juftin

SKILLS

Python Development

SciPy (pandas, NumPy, etc.)
OOP SQL (SparkSQL, SQLAlchemy)
DAGs / Finite State Machines

Big Data and Machine Learning

Spark / HDFS
MLflow + REST Model Deployment

Visualization and Storytelling

Matplotlib / seaborn
Tableau / PowerBI

Pipelines, CI/CD, and ETL

Jenkins / Airflow
APIs (REST / SOAP)

Deployment and DevOps

AWS EC2 / ECS
Docker / Kubernetes
WSGI / Flask

Database Admin and Architecture

PostgreSQL / Redshift
MySQL
SQL Server

Additional Languages

Ruby / Java / Scala / R
Bash / ZSH / PowerShell

EDUCATION

Bachelor of Arts – Int'l Studies

The University of Colorado

Denver, CO | 2014

Emphasis on Middle Eastern Affairs

Dean's List

RELATED EXPERIENCE

TELADOC (FORMERLY LIVONGO)

DATA ENGINEER II (EMBEDDED, DATA SCIENCE) | DENVER, CO | APRIL 2021 - PRESENT

- Serve as an embedded Engineering resource within Data Science: architecting data models, designing data and machine learning pipelines, and empowering data scientists to incorporate machine learning models across Teladoc's product offerings.
- Manage Data Science integration to production release cycle and CI/CD workflow, ensuring test coverage, code quality, peer-review, and sufficient documentation.
- Collaborate closely with Teladoc Health's ML experts to expand machine learning experiments and proof-of-concept notebook designs into scalable, optimized, and distributed production pipelines.

DATA SCIENTIST II (CONTINUED TO NEXT ROLE) | DENVER, CO | JUNE 2020 - APRIL 2021

- Build and expand a production machine learning application (Contextual Multi Armed Bandit) to optimize the success of the Livongo member recruitment journey using personalization and the automation of marketing asset assignment.
- Design and implement data and machine learning pipelines built with services including Redshift, AWS S3, AWS EC2 and ECS, Spark, MLFlow, Databricks Model Registry, Jenkins, and Docker.
- Develop and standardize internal Python modules and SDKs used by the Data Science team to interact with data warehouses, cloud compute and storage, external APIs, and machine learning infrastructure.

BUSINESS INTELLIGENCE DEVELOPER | DENVER, CO | APRIL 2019 - JUNE 2020

- Maintained, developed, and expanded reporting infrastructure to support external data ETL, production data transformation, client reporting delivery, and product engagement analytics for myStrength, a digital behavioral health application.
- Worked within the Engineering team to identify bugs and data inconsistencies, perform production database schema migrations, and expand analytic data capture.

GRANICUS

DATA MIGRATION SPECIALIST | DENVER, CO | SEPTEMBER 2018 - MARCH 2019

- Managed the deployment and configuration of onsite database and application servers for incoming clients. Also served as remote database administrator, performing necessary database maintenance and upgrades for product updates.
- Oversaw complex end-to-end migrations and conversion of new customer source data into production application databases for seamless transition of new clients.

FAREHARBOR

SENIOR BUSINESS INTELLIGENCE DEVELOPER | DENVER, CO | JUNE 2018 - AUGUST 2018

- Led company initiative to develop an in-house ETL solution across all data sources, including MixPanel, Google Analytics, ZenDesk, Salesforce, and Stripe.
- Built and maintained integrations facilitating the transfer and sync of data and events between crucial business software with Python and external REST APIs.

DATA OPERATIONS ENGINEER | DENVER, CO | OCTOBER 2017 - JUNE 2018

- Served as administrator to AWS Redshift data warehouse; maintaining data quality and freshness, building complex analytics layers to support a team of analysts, and optimizing database performance.
- Architected Gainsight Customer Success Platform including the data infrastructure and defining and iterating on complex customer health scores and workflows.

REVENUE OPERATIONS ANALYST | DENVER, CO | DECEMBER 2016 - OCTOBER 2017

- Performed analysis and built dashboards across multiple data sources including client journey analysis, lead performance ranking, and digital campaign analytics.