

# JUSTIN FLANNERY

## DATA SCIENCE ENGINEER

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## 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, 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.