

JUSTIN FLANNERY

DATA SCIENCE ENGINEER

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EDUCATION

Bachelor of Arts – Int'l Studies

The University of Colorado

Denver, CO | 2014

Emphasis on Middle Eastern Affairs

Dean's List

SKILLS

Python Development

SciPy (pandas, NumPy, etc.)

Object Oriented SQL (SQLAlchemy)

DAGs / Finite State Machines

Big Data and Machine Learning

Spark / HDFS

scikit-learn

MLflow

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

Database Admin and Architecture

PostgreSQL / Redshift

MySQL

SQL Server

Additional Languages

Ruby / Java / R

Bash / ZSH / PowerShell

RELATED EXPERIENCE

LIVONGO

DATA SCIENTIST II | DENVER, CO | JUNE 2020 - PRESENT

- 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 using services and tools including Redshift, AWS S3, 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.
- Post acquisition of myStrength, worked across Livongo Data Science and Engineering teams to assist with the integration of historical analytics and reporting.

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.
- Built internal ETL GUI tools using Python and T-SQL to further automate, standardize, and streamline the process of historical data migrations into the Land and Vitals application database.

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) and transition from third party provider.
- 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 aggregate tables to support a team of analysts, and optimizing database performance.
- Architected and implemented Gainsight Customer Success Platform including defining and improving complex customer health scores and workflows across over 6,000 active accounts.

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

- Performed analysis across multiple data sources and built reporting dashboards such as customer journey analysis, prospective lead performance analysis, and digital campaign analytics.
- Presented analysis and insights to internal stakeholders and large enterprise clients.