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

Machine Learning
Scikit-learn
MLFLow

Visualization and Storytelling
Matplotlib / Seaborn
Tableau / PowerBI

Pipelines , CI/CD, and ETL
Airflow / Jenkins
APIs (REST / SOAP)

Deployment and DevOps
Docker / Kubernetes
AWS EC2 / ECS
Spark / HDFS

Database Architecture
PostgreSQL / Redshift
MySQL
SQL Server

Additional Languages
Ruby / Java / R
Bash / ZSH / PowerShell / Terminal

RELATED EXPERIENCE

LIVONGO

DATA SCIENTIST II | DENVER, CO | JUNE 2020 - PRESENT
- Architect and build a production machine learning application (Contextual Multi Armed Bandit) to automate the personalization of marketing assets within SalesForce Marketing Cloud to optimize the success of the Livongo member recruitment journey.
- Architect and implement data engineering and machine learning pipelines using Python and tools including MLFlow, Spark, Databricks Model Registry, and Jenkins.
- Own the standardization and development of internal modules and SDKs used by data science to interact with data warehouses, cloud compute and storage, external APIs, and machine learning infrastructure.

BUSINESS INTELLIGENCE DEVELOPER | DENVER, CO | APRIL 2019 - JUNE 2020
- Work alongside the development and engineering team to identify bugs and data inconsistencies, perform production database schema migrations, and expand analytic data capture.
- Maintain, develop, and expand reporting infrastructure to support external data ETL, production data transformation, client reporting delivery, and product engagement analytics for myStrength, a digital behavioral health application.
- Post acquisition of myStrength, work 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
- Deployment and configuration of onsite database and application servers for incoming clients. Also serving as 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 2019
- Led company initiative to develop an in-house ETL solution across all data sources (including MixPanel, Google Analytics, ZenDesk, SalesForce, Stripe, and more).
- Built and maintained custom API systems integrations with Python, facilitating the transfer and sync of data and events between crucial business software.

DATA OPERATIONS ENGINEER | DENVER, CO | OCTOBER 2017 - JUNE 2018
- Served as database administrator; maintaining data quality and freshness, building complex aggregate tables to support a team of analysts, and optimizing database performance.
- Designed, implemented, and maintained Gainsight Customer Success Platform including defining and improving complex customer health scores and workflows from hundreds of metrics and KPIs 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 employees, large enterprise customers, and executive management.