

DAVID RAMEAU

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EDUCATION

New York University, College of Arts and Sciences, New York, NY
*Bachelor of Arts in **Mathematics**, Computer Science*

2018

Snowflake - **Snowpro Core Certified**

RECENT & NOTABLE PROJECTS

Reporting Regression Tester:

Delivered and maintained a web application that performs QA tests on reports published to Tableau Server. This webapp leverages the Tableau Server JavaScript API to prevent publishing unintended changes to critical reports. Given the links to two reports, this app returns detected differences in data, objects, and filtering. Written in JavaScript, HTML, and CSS.

Events Data Warehouse:

Architected and implemented a star-schema data warehouse design for the Events database of a client. Mocked the model in Lucid Chart and built a demo with mockaroo data ingested at regular intervals by python scripts connected to the mockaroo API. Model was ultimately implemented in SSMS and facilitated the reporting of several million data points of events and attendee information.

Reporting to git Loader:

Delivered a python script that loads daily snapshots of report content from client Tableau Server to a git repository. This script leverages the Tableau Server API to pull report data as XML and push it to a remote git repository for version control. From there, other python scripts parse this report data. Using this data, the client created reports that can allowed users to gain insight on report metadata like data source, presence of key fields/filters, etc. Script uses caching (python's pickle library) to dramatically improve runtime performance.

WORK EXPERIENCE

Consultant, Software Engineering • Slalom Consulting

Nov 2021

- Utilized the i18n and i18next libraries to introduce localization logic into pre-existing web-applications based in React, Backbone.js, TypeScript, and ERB templates.
- Provided development support towards the resolution of ~50 critical production-level bugs in REACT application over the course of a 1.5 month engagement.
- Co-lead of REACH, Slalom's Black and African American ERG
 - Hosted Kwanzaa, MLK Day of Service, and other cultural events throughout 2021
 - Facilitating DevColor Events in 2022

Analyst, Data & Analytics • Slalom Consulting

Nov 2019

- Provided development and server administration support to the reporting team of public sector client:
 - Documented, troubleshot, and wrote stored procedures and views in SQL Server Management Studio.
 - Contributed DDL work and data normalization work to assist the client's Data Engineering team in their ongoing data warehousing project. Architected and implemented the normalization and star schema for their events database.
 - Lead, as a part of the Slalom transformational consulting effort, the creation an automated QA process for the client's Tableau dashboards absent dedicated third-party software like kinesis-ci. My work included:
 - * Defining test cases and writing a suite of automated regression, functional, and unit tests for critical Tableau reports in JavaScript, leveraging the Tableau JavaScript API.
 - * Writing Python scripts to facilitate report process. Scripts include the **Reporting to git Loader**. Others include a Tableau/SSRS PDF Mass Downloader and Merge Service, which mass generates PDF versions of Tableau and SSRS reports by URL, downloads these reports, and merges them. This script uses multi-threading, Selenium, and PyPDF to generate, download, and merge pdfs concurrently.
- Built a Tableau to Snowflake Accelerator. Clients can use this demo to source Snowflake-ready data from S3 and pip it into a prebuilt dashboard. The demo is built to facilitate start- up time for clients new to the tool.
- Built a demo ETL pipeline in AWS for a prospective short-term engagement. CloudWatch triggers Lambda functions to pull data from a web API into S3 bucket, where data is processed by Spark cluster on EC2.
- Participated in a Slalom data analytics/consulting bootcamp. Capstone dashboard used Snowflake, Alteryx, and Tableau for warehousing, ETL, and analysis of customer review data for a hoteling company.

TECHNICAL SKILLS

Development: Python | JavaScript (REACT) | bash | apache | DigitalOcean | AWS | C | Java | OOP | TDD
Data: Snowflake | SQL Server Management Studio | Tableau, Power BI | Alteryx | SSRS
Misc: Scrum | Agile | JIRA | Juggling | Classical Guitar

LANGUAGES

English
French
Haitian Creole