

DAVID RAMEAU

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EDUCATION

New York University, College of Arts and Sciences, New York, NY || 2018
*BA in **Mathematics** (minor: Computer Science, French)*

WORK EXPERIENCE

Consultant, Software Engineering • Slalom Consulting || July 2021

- Built suite of front-end web applications and new react-based design system for 6 websites of a regional automotive conglomerate. Sites were built with React (Gatsby.js), TypeScript, and Contentful CMS. Mocking and prototyping done in storybook.js, nx, and Figma.
- Provided development support for the creation of multiple net-new features, the resolution of ~50 critical production-level bugs, and the site-wide migration to Contentful CMS of a REACT/next.js front-end site hosted on AWS over the course of a 6 month engagement. Optimized site according to core web vitals -- reducing Largest Contentful Paint and Cumulative Layout Shift to industry standards. Notably, our efforts to improve the site doubled lead generation for >300 client franchisees.
- Utilized the i18n and i18next libraries to introduce localization logic into pre-existing web-applications written in React, Next.js, Backbone.js, and TypeScript.
- 2022 co-lead of REACH NY, Slalom's Black and African American ERG
 - Hosted Kwanzaa Party, MLK Day of Service, and other cultural events throughout 2021
 - /dev/color A* Facilitator in 2022

Associate Consultant, Data & Analytics • Slalom Consulting || Nov 2019 - July 2021

- Architected test cases and writing a suite of automated regression, functional, and unit tests for critical Tableau reports in JavaScript, leveraging the Tableau JavaScript API. This in-house tool dramatically reduced (~50%) time spent testing and reviewing dashboards and allowed a server migration of 100+ dashboards.
- Provided development and SQL server administration support to the reporting team of public sector client:
 - Documented, troubleshot, and wrote stored procedures and views.
 - Architected and implemented the normalization and star schema to selected databases.
 - 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:
 - * 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, and merges them. This script uses multi-threading, Selenium, and PyPDF to generate, download, and merge pdfs concurrently.
- Built a Tableau to Snowflake Accelerator and PoC. Prospective clients can use this demo to source Snowflake-ready data from S3 and pip it into a prebuilt dashboard. The demo could reduce start-up time for clients new to the Snowflake.
- 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.

NOTABLE SOLO PROJECTS

C2PA Accelerator:

Solo build of a company-wide PoC and accelerator that leverages the Coalition for Content Provenance and Authenticity (C2PA) public SDK to write, read, and authenticate provenance information for media content according to their standards. Developed base components for validating media in React. Developed an custom company wide certification CLI in Rust.

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.

Reporting to git Loader:

Delivered a python script that loads daily snapshots of report content from client Tableau Server API to a remote git repository, where other python scripts parse this report data. We used this data to create a metadata for the tableau server, which detailed activity more granularly than was possible with the tableau metadata API. Script uses caching (python pickles) to dramatically improve runtime performance.

TECHNICAL SKILLS

Development: TypeScript (react, gatsby, next.js) | Contentful and GraphQL | Storybook | Python | bash | apache | AWS | C | Java | OOP | TDD
Data: Snowflake | SQL Server Management Studio | Tableau, Power BI | Alteryx | SSRS
Misc: Agile | Scrum | JIRA | vim, vimscript | Juggling

LANGUAGES

English
French
Haitian Creole