





Brandon Corey

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ABOUT ME


I am a software engineer with experience in full-stack development and data analysis. I am familiar with various programming languages and cloud technologies. I became interested in programming through my analytics work, resulting in a shift in focus towards development.

EXPERIENCE

Software Engineer, Co-Creator

01/2024-present

DataLoaf, Remote US

- DataLoaf (data-loaf.com ) is a self-hosted, open-source product analytics solution for small-medium teams
- Developed a **TypeScript** querying service to facilitate event data retrieval and processing via a REST api
- Orchestrated **AWS** infrastructure setup and automation via a CLI tool written in **Go** that utilized **Terraform** to provision 50+ resources with a single command
- Implemented a real-time data pipeline with potential to scale to 1M events per second using **API Gateway**, **Kinesis Data Streams**, **Data Firehose**, **S3**, and **Redshift**
- Developed a **React** frontend that utilized DaisyUI and **TailwindCSS** to display aggregations based on event type, aggregation, time-frame, and user/event filters
- Leveraged **Docker** with **EC2** for deployment of backend services and **Nginx** for serving the front-end application
- Developed an SDK that sends requests to **Amazon API gateway** to place data into pipeline
- Authored 10+ **SQL** queries to perform common analytics aggregations to execute against **Amazon Redshift**
- Implemented a **Python** User Defined Function (UDF) for complex filtering of event and user attributes

Marketing Analyst (B2B)

06/2022 - 03/2023

Wayfair, Boston MA

- Utilized Google **BigQuery** to author advanced **SQL** scripts that aggregated email engagement data for reporting
- Wrote and maintained supplier contact script used for customer segmentation in all Supplier Marketing campaigns
- Used **JavaScript** UDFs and stored procedures in BigQuery to abstract functions that were routinely executed
- Leveraged Data Studio to create/maintain dashboard visualizations for supplier segmentation data
- Used **DataDog** and **Grafana** to set up slack alerts for email campaigns that were not operating as intended
- Automated internal emails based on event triggers via the Google Suite JavaScript integration

SKILLS

Backend	Node, TypeScript, Go/Golang, Python, SQL, MongoDB, Express
Frontend	JavaScript, TypeScript, React, React Query, TailwindCSS, DaisyUI, HTML, CSS, Recharts
Cloud/Infra	Terraform, Docker, Nginx, AWS (EC2, Kinesis, Redshift, Lambda, S3, API Gateway, Cloudwatch)
Other	Git, Github, Linux, HTTP, Websockets, SSE, REST, Jest, React Testing Library, BubbleTea, Cobra

EDUCATION

University of Massachusetts, Amherst

2019 - 2022

B.S in Managerial Economics, College of Social & Behavioral Sciences

Launch School

2022 - 2024

Multi-year online program focused on Software Engineering fundamentals