




# Brandon Corey


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## EXPERIENCE

### Software Engineer, Co-Creator

01/2024-present

*DataLoaf, Remove US*

- DataLoaf ([data-loaf.com](https://data-loaf.com) ) is a self-hosted, open-source product analytics solution for small 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 or tear down 50+ resources with a single command
- Implemented a scalable real-time event delivery pipeline using Amazon S3, Amazon Data Firehose, and Amazon Redshift, transferring up to 1 million events per second
- 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 a Node.js SDK that sends requests to Amazon API gateway to put 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 boolean comparisons between selected filters and custom attributes on events

### Marketing Analyst (B2B)

06/2022 - 04/2023

*Wayfair, Boston MA*

- Utilized Google BigQuery to write advanced SQL scripts that aggregated email engagement data (OR, CTR etc.) 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 complex logic that was routinely executed
- Leveraged Data Studio to create/maintain dashboard visualizations for supplier-contact segmentation data
- Used DataDog and Grafana to set up slack alerts for email campaigns that were not operating as intended
- Automated G-Suite workflows using JavaScript such as triggered emails firing upon form submission from internal stakeholders

## TECHNICAL PROJECTS

**endpntr**  (*Node, Express, PostgreSQL, MongoDB, React, TailwindCSS, Websockets*)

- A web app that generates endpoints and enables developers to inspect webhooks and other HTTP requests

**AI-Gallery**  (*Node, Express, PostgreSQL, Pug, CSS*)

- A web app that uses the OpenAI DALLE-3 API to allow users to generate and save AI images to albums

## SKILLS

**Backend** Node, TypeScript, Go/Golang, Python3, SQL, MongoDB, Express

**Frontend** JavaScript (ES6) TypeScript, React, React Query, TailwindCSS, DaisyUI, HTML, CSS3, Recharts

**Cloud/Infra** Terraform, Docker, Nginx, AWS (EC2, Kinesis, Redshift, Lambda, S3, API Gateway, Cloudwatch, Secrets Manager, ACM)

**Other** Git, Github, Linux, HTTP, REST, Websockets, SSE, Jest, RTL, BubbleTea

## EDUCATION

**Launch School** 

2022 - 2024

*Online program focused on the mastery of Software Engineering fundamentals*

**University of Massachusetts, Amherst** 

2019 - 2022

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