Brandon Corey

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💼 EXPERIENCE

Software Engineer, Co-Creator   01/2024-present
DataLoaf, Remove US

- DataLoaf (**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 and utilizing Terraform to simplify deployment and management processes
- Established a data ingestion pipeline utilizing API Gateway for seamless data intake from client applications
- Implemented a scalable real-time event delivery pipeline using Amazon S3, Amazon Data Firehose, and Amazon Redshift, ensuring efficient and reliable data transfer
- 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 for DataLoaf, facilitating easy integration and data capture from backend servers
- Authored numerous SQL queries for different common analytics aggregations to be ran against Amazon Redshift
- Implemented a Python User Defined Function (UDF) for complex boolean comparisons, enhancing query capabilities

Marketing Analyst (B2B)   06/2022 - 04/2023
Wayfair, Boston MA

- Utilized Google BigQuery to author advanced SQL scripts that aggregated email engagement data (OR, CTR etc.)
- Wrote and maintained supplier contact script used for 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 alerts for email campaigns that were not operating as intended
- Automated G-Suite workflows including Google Forms and Google sheets using JavaScript

🖥 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