Brandon Corey

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💼 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 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