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 - 04/2023
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