

## Alex Abraham

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<https://alexabraham.dev>

### Education

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#### Georgia Tech, Online Masters in Computer Science

- Master of Science – Expected August 2023
- Major: Computer Science
  - Specialization: Computing Systems

#### Yeshiva University, Yeshiva College, New York, NY

- Bachelor of Arts – May 2016
- Major: Computer Science
  - Gertrude Nissenbaum Memorial Award for Excellence in Computer Science

### Technical Skills

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- Programming Languages (Python, Java, JavaScript, Go)
- Data (Snowflake, MySQL, DBT, MongoDB)
- Cloud Infrastructure (GCP, Azure, AWS)
- Kafka, Apache Airflow, Kubernetes

### Experience

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#### Sr. Data Engineer – DataOps, Vimeo, New York, NY

August 2022 – Present

- Developed an entity-based data modeling framework for product analysis
  - Designed entities to improve data governance and discoverability
  - Worked with product and analytics teams to ensure entities were comprehensive and well-defined
  - Ensured that entity schemas were enforced cross-product
  - Updated our underlying infrastructure to support the new framework
- Spearheaded efforts to increase data pipeline monitoring and meet SLAs

#### Data Engineer II – DataOps, Vimeo, New York, NY

February 2021 – August 2022

- Worked with product leaders across the company on event pipeline creation
- Used insights from working with product teams to improve our underlying data infrastructure
- Created an API for managing internal data pipeline configurations
- Built ETL pipelines using DBT and Airflow that are easy to maintain and adhere to company standards

#### Data Engineer – Data Platform, Vimeo, New York, NY

June 2019 – February 2021

- Developed infrastructure for data ingestion pipelines across all Vimeo product offerings
  - Enhanced our in-house Kafka message validation service
  - Created a Kafka stream processing framework which included filtering, transforming, and routing messages to multiple destinations
  - Designed a web application for users to view and manage data schemas
- Built ETL pipelines for parsing CDN logs

#### Data Engineer, AllianceBernstein, New York, NY

July 2016 – June 2019

- Created robust data pipelines for analyzing alternative data
  - Collected data through web scraping (Scrapy + Splash, Selenium)
  - Performed analysis using Natural Language Processing
  - Integrated machine learning models developed by data scientists on the team
- Developed multiple web-based dashboards using modern web development techniques for visualizing model output (Angular front-end & flask back-end)
- Established team infrastructure in Microsoft Azure for large-scale data analysis
- Performed exploratory data analysis to initiate model development