

# Siobhán Loughman Sabino

[siobhansabino.com](http://siobhansabino.com) • [contact@siobhansabino.com](mailto:contact@siobhansabino.com)

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## Skills

- *Programming*: Cypher, Java, Kotlin, Python, Scala, SQL, Typescript
  - *Databases*: Delta, Postgres, Redshift, S3; data lake, graph, key/value, relational, warehouse
  - *Systems*: Airflow, Ansible, Avro, AWS, Databricks, Datadog, Docker, Grafana, GitHub Actions, GitLab CI, Kafka, Prometheus, Spark, Terraform, Unity Catalog
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## Experience

### **Data Platform Engineer, Staff**

2024–2024

Hinge, *New York, NY* (remote)

- Designed and implemented streaming data compliance application for AI and analytics within Spark Structured Streaming for high volume, low latency Kafka ingestion
- Improved data centric designs by collaborating with other teams and engineers
- Improved on call runbooks including automating manual legal compliance requirements
- Mentored engineers across engineering disciplines

### **Data Engineer, Staff**

2023–2023

Unite Us, *New York, NY* (remote)

- Designed evolution of company-wide data platform including data streaming, warehousing, cataloging, monitoring, IaC, and CI/CD to reduce incidents and raise data product quality
- Improved data centric designs by collaborating with other teams and engineers
- Participated in architecture review committee and engineering leadership guild
- Published weekly internal posts on data engineering, architecture, data literacy, and IaC
- Interviewed cross functional stakeholders to ensure their concerns were acted on
- Established standards for data engineering on call runbooks, monitors, and dashboards

### **Data Engineer, Senior**

2021–2022

Webflow, *San Francisco, CA* (remote)

- Architected company-wide data platform including data streaming and warehousing
- Participated in architecture review committee, on call guild, and backend guild
- Published weekly internal posts on data engineering, architecture, data literacy, and IaC
- Interviewed cross functional stakeholders to ensure their concerns were acted on
- Improved internal dashboards for better data literacy and on call experience across teams
- Mentored engineers and presented at public meetups on behalf of company

### **Data Engineer, Senior → Staff**

2017–2021

GameChanger, *New York, NY*

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- Architected and implemented new data pipeline while maintaining existing one, bringing down incidents and increasing velocity and volume of data captured
- Maintained and improved data warehouse for better storage and more secure access
- Standardized infrastructure for consistency and cross functional team understanding
- Led initiatives to adopt serverless technology, especially around Kafka and Airflow
- Automated manual processes such as creating SQL tables from Avro schemas
- Led learning groups on topics including Kafka, Scala, and functional programming
- Presented company wide trainings on topics including relational modeling, graph modeling, data pipelines, programming paradigms, and data engineering
- Published multiple public technical posts ([tech.gc.com](http://tech.gc.com)) on automation and architecture
- Worked on DEI initiatives including improving job descriptions and recruiting
- Mentored engineers and contributed to company culture-based goals

## Software Engineer, Midlevel → Senior

2013–2017

Lifion by ADP, *New York, NY*

- Designed and implemented
  - HR-centric data models utilizing graphs and hypergraphs
  - metadata driven, graph-based microservices and data stores
  - temporal and bitemporal microservices and data stores for auditing
  - legacy-to-graph and relational-to-graph ETL tools using Spark
- Created graph database interfaces to sit on top of non graph databases
- Filed numerous patents for new innovations ([siobhansabino.com/patents](http://siobhansabino.com/patents))

## Software Engineer

2012–2013

Virtusa, *Boston, MA* (remote)

- Modeled and implemented data warehouse designs with custom ETL jobs

## Researcher

2009–2011

The College of New Jersey, *Ewing, NJ*

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Education

## Bachelors of Science, Computer Science

2008–2012

The College of New Jersey, *Ewing, NJ*

## Semester Abroad, French as a Foreign Language

2011–2012

Université Blaise Pascal, *Clermont-Ferrand, France*