

Siobhán Loughman Sabino

siobhansabino.com • contact@siobhansabino.com

Skills

- *Programming*: Cypher, Java, Kotlin, Python, Scala, SQL, Typescript
 - *Databases*: Delta, Postgres, Redshift, S3; document, graph, key/value, relational, warehouse
 - *Systems*: Airflow, Ansible, Avro, AWS, Databricks, Datadog, Docker, Grafana, GitHub Actions, GitLab CI, Kafka, Prometheus, Spark including PySpark, 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 across engineering and technical disciplines including DE, DS/DA, and AI/MLE

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) 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)

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

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