

Siobhán Loughman Sabino

siobhansabino.com • contact@siobhansabino.com

Summary

Staff Data Engineer with over a decade of experience designing and implementing high-scale, resilient data platforms and distributed real time systems. Specializes in streaming systems, modern data lakehouses, and cloud-native infrastructure. Strong advocate for cross-functional collaboration, data literacy, technical writing, and mentorship. Proven track record leading architecture, automation, and platform evolution.

Skills

- *Languages*: Python, Scala, SQL, Java, Kotlin, Typescript
 - *Data Tech*: Spark, Kafka, Delta Lake, Redshift, Postgres, Avro, S3, Unity Catalog
 - *Infra & Monitoring*: AWS, Terraform, Docker, Databricks, Datadog, Prometheus/Grafana
 - *Workflow & DevOps*: Airflow, Ansible, GitHub Actions, GitLab CI, Jenkins
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Experience

Staff Data Platform Engineer

2024–2024

Hinge, New York, NY (remote)

- Designed and implemented a Spark Structured Streaming application and Delta lakehouse to ensure AI and analytics compliance, ingesting from Kafka at scale with low latency (<20s)
- Automated legal compliance checks and streamlined on-call runbooks
- Collaborated with cross-functional teams to improve data-centric design patterns
- Mentored engineers across engineering disciplines, strengthening data culture

Staff Data Engineer

2023–2023

Unite Us, New York, NY (remote)

- Led evolution of company data platform: streaming, cataloging, warehousing, IaC, CI/CD
- Reduced incidents and improved data quality through strategic architectural upgrades
- Established team-wide runbooks and monitoring standards for reliable data operations
- Served on architecture review and engineering leadership guilds
- Published weekly internal blogs on engineering, literacy, and infrastructure best practices
- Conducted stakeholder interviews to align platform direction with business needs

Senior Data Engineer

2021–2022

Webflow, San Francisco, CA (remote)

- Architected and led implementation of data streaming and warehousing platform to unify analytics and operational workflows
- Presented at public meetups representing company engineering initiatives

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- Championed data literacy via internal content and improved dashboard UX
- Active in guilds focused on architecture, on-call resilience, and backend engineering

Senior → Staff Data Engineer

2017–2021

GameChanger, New York, NY

- Re-architected legacy data platform to reduce incidents (5+/year to <1/year), improve data velocity and reliability (over 99.99%), and reduce engineering work across entire company
- Introduced serverless Kafka and Airflow for better scalability and maintainability to company
- Automated Avro-to-SQL workflows, eliminating manual schema work and data quality issues
- Led trainings and internal learning groups on functional programming and data systems
- Published technical posts on automation and architecture (tech.gc.com)

Midlevel → Senior Software Engineer

2013–2017

ADP, New York, NY

- Designed and implemented graph and hypergraph models for HR data
- Implemented metadata-driven and temporal microservices using Spark
- Developed streaming relational-to-graph ETL tooling to deprecate legacy systems
- Filed multiple patents for data modeling innovations (siobhansabino.com/patents)

Software Engineer

2012–2013

Virtusa, Boston, MA (remote)

- Modeled and implemented data warehouse designs with custom ETL

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: Université Blaise Pascal, France (2011), French as a Foreign Language

Public Work and Recognition

- Published technical writings on automation and architecture (tech.gc.com)
- Filed patents for innovations in graph and temporal modeling (siobhansabino.com/patents)
- Presented at industry meetups on Kafka, data platforms, and engineering culture
- Known for fostering engineering culture and data literacy through mentorship, internal writing, and community speaking