

# Alexandre Girard

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Staff AI engineer and platform architect with 10 years of experience building data infrastructure, developer platforms, and AI-native products. At Airbyte, I lead the architecture and launch of the Agent Engine, an operational data platform for AI agents that expands the company beyond data replication into agent-driven workflows. I work across architecture, product direction, and customer engagement to take the platform from concept to production and early adoption.

## Experience

### Airbyte

San Francisco, CA

Staff AI Engineer & Tech Lead (Promoted from Senior Engineer)

September 2024 – Present

- Architected and launched Airbyte's Agent Engine, a new product direction expanding the company from data replication into an operational data platform for AI agents. Took the platform from architecture exploration to production two months ahead of schedule.
- Scaled the Agent Engine team from 3 to 9 engineers in 6 months, transitioning from sole architect to enabling engineers to own subsystems independently while maintaining architectural coherence.
- Previously led the development of Airbyte Embedded (white-label integrations), taking the product from initial implementation to \$240K+ ARR in 6 months and establishing the application-facing infrastructure that became the foundation for the Agent Engine.
- Defined the core platform architecture including managed OAuth, hosted connectors, and a unified search API, and designed an AI-native connector factory extending OpenAPI specifications to auto-generate type-safe Python SDKs.
- Led technical engagement with design partners, working directly with customers to integrate agent workflows across SaaS systems and translating their needs into platform capabilities and roadmap priorities, driving early adoption and pipeline.

Tech Lead & Team Lead

October 2023 – September 2024

- Led evolution of low-code connector framework, improving throughput up to 10x and reducing developer friction across the ecosystem.
- Directed migration of 50+ production connectors to the new framework, reducing maintenance cost and standardizing best practices.
- Proposed and led reorg combining API connectors team and connector framework team to give engineers full ownership of their value streams. Aligned framework enhancements with connector pain points and gave engineers agency over end-to-end changes.
- Managed performance and career growth for 11 engineers and contractors, including hiring, performance reviews, and technical mentorship.

Senior Software Engineer

February 2022 – October 2023

- Led a team of 6 to ship Connector Builder, a no-code connector creation platform (patent pending: WO 2025/096393 A1). Acted as technical lead and de facto PM, defining roadmap, driving UX decisions with design, and leading cross-team delivery. Used by support team, sales engineers, and customers to build and maintain connectors.
- Designed and built the next-generation of the Connector Development Kit (CDK), reducing development time for production-grade HTTP connectors from days to hours.
- Designed and developed core components of Snowflake Native Apps, enabling Airbyte connectors to execute inside customer warehouses with improved security and governance.

### Dexterity Capital

San Francisco, CA

Senior Software Engineer

March 2020 – September 2021

- Reduced testing time from days to minutes by developing a Spark-based data-validation framework used across trading, research, and infrastructure teams.
- Developed fault-tolerant pipelines ingesting hundreds of GB/day of market data with continuous delivery to Kinesis.
- Automated multi-region AWS infra with Terraform, reducing provisioning time from hours to minutes and improving reliability.

### Engineers Gate

New York, NY

Senior Software Engineer

August 2018 – February 2020

- Designed a statistics platform analyzing 10+ TB of heterogeneous data for regression testing and anomaly detection.
- Enhanced C++ international equities pipeline processing 150M+ messages/day, increasing data quality and reproducibility.

### LiveRamp

San Francisco, CA

Senior Software Engineer

February 2017 – February 2018

Software Engineer

July 2015 – February 2017

- Re-architected and optimized high-cost MapReduce workflows, reducing peak resource usage by 50%.
- Built distributed ingestion pipelines automatically loading 3000+ files/day across SFTP, S3, and API sources.
- Built real-time ETL pipeline decreasing the turnaround time of a subset of data ingestion from 4 hours to 20 minutes.
- Designed data delivery system using Kafka, Flume, and Kinesis, handling 20B requests per day, peaking at 350k rps.

### Microsoft

Vancouver, BC

Software Development Engineer Intern

May 2014 – August 2014

## Education

### Laval University

Quebec City, QC

B.S.E. Software Engineering

September 2011 – May 2015