An innovative healthcare company

Company background

Founded less than 10 years ago, this healthcare company, based in one of the biggest city of the US East coast, is dedicated to enhancing the ability of physicians to provide the finest possible care while lowering costs through a more coordinated, proactive model.

Physician-led, clinically focused, and supported by a robust yet agile team of subject matter experts from medicine, nursing, business, medical documentation, analytics, and informatics, this healthcare company is dramatically disrupting the status quo in order to enhance the ability of primary care physicians and specialists to provide the finest possible care to patients.

Visit www.dataops.live

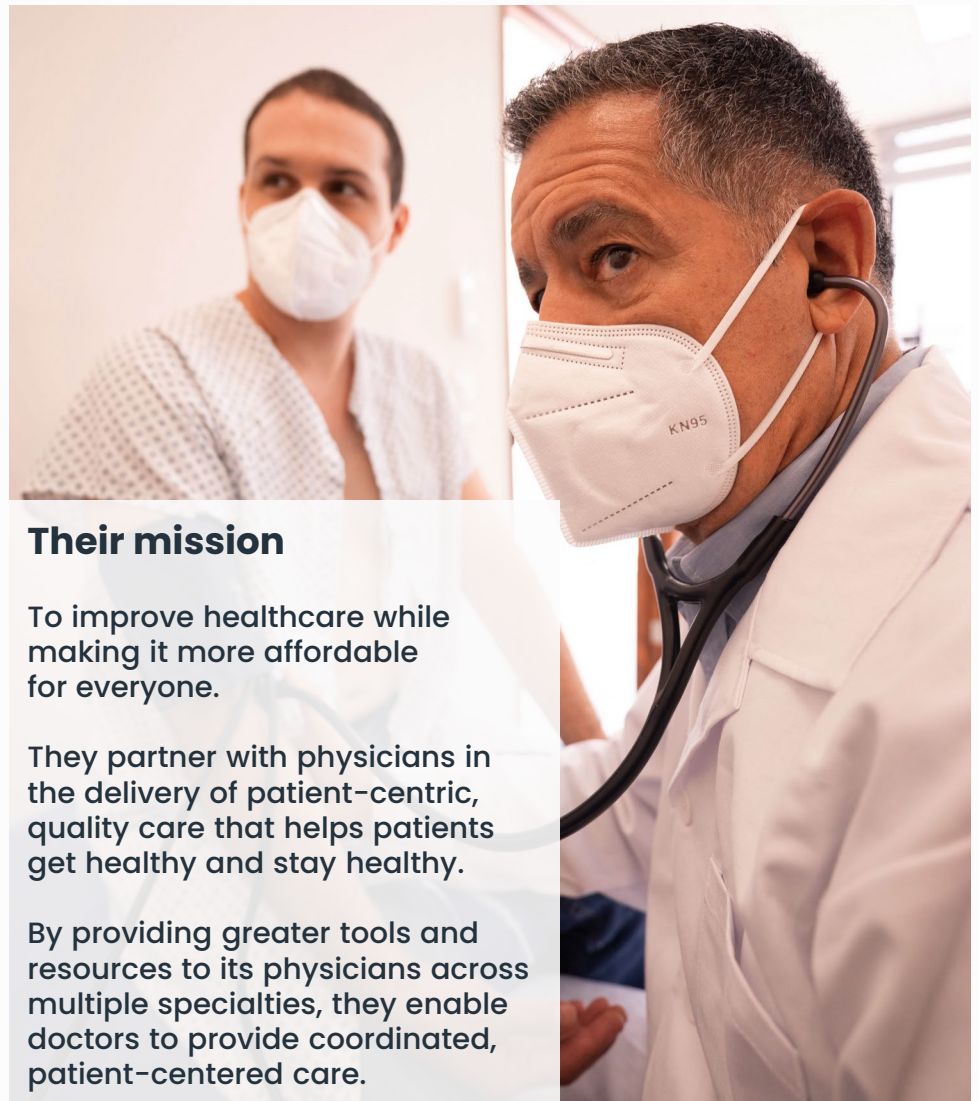**Try** Connect with DataOps.live through AWS or Snowflake Marketplace for a free 14-day trial

Affordable and improved healthcare for everyone

30,000+ Cancer screens

Reduced hospital admissions

Reduced inpatient costs

Their mission

To improve healthcare while making it more affordable for everyone.

They partner with physicians in the delivery of patient-centric, quality care that helps patients get healthy and stay healthy.

By providing greater tools and resources to its physicians across multiple specialties, they enable doctors to provide coordinated, patient-centered care.

A unique solution powered by VaultSpeed and DataOps.live to take charge of your data

VaultSpeed provides a best-in-class data automation solution to speed up the data integration process, building on the Data Vault 2.0 methodology.

Combining VaultSpeed with the DataOps.live platform will enable you to accelerate, automate, and orchestrate the build, test and deployment of data products and applications on the Snowflake Data Cloud.

DataOps.live and VaultSpeed have partnered to create new, multi-layered automation capabilities to simplify the creation and maintenance of their data cloud and deliver more accurate business decisions.

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Challenge

This healthcare company is an organization that works with medical providers and caretakers to help them provide the finest care while lowering costs.

From a data perspective all their operational data comes from third parties, and they act more like an aggregator of all this health-related data. Being a health care centric organization, data security, privacy and governance of the data is at the utmost importance and **this healthcare company** is not a very large organization, so being able to manage a data platform economically and efficiently was one of the key requirement.

Based on all these parameters, they required an end-to-end solution that would be able to handle change and future growth, with the constant additions of multiple data sources.

Solution: Data Vault 2.0 with VaultSpeed and DataOps.live

To date their solution had been more tactical, but they have realized that they needed to build a roadmap for a more modern data stack. The decision was made to follow a Data Vault 2.0 solution.
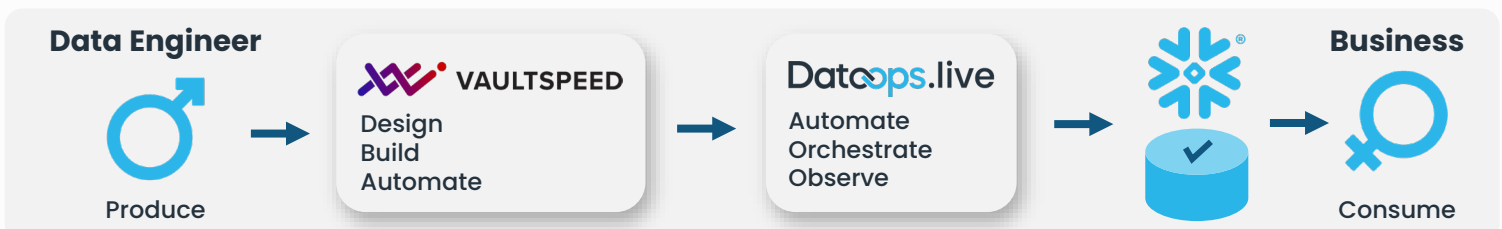
The Data Vault Model is a detail-oriented, historical tracking and uniquely linked set of normalized tables that support one or more functional business areas. It is a hybrid approach encompassing the best of breed between 3rd normal form (3NF) and star schema. The design is flexible, scalable, consistent, and adaptable to the needs of the enterprise.

A Data Vault 2.0 solution has three key pillars (Architecture, Methodology and Model). From an Architecture perspective they needed a solution that would support this methodology and had the capability to grow at the same pace as the company.

Snowflake was selected as the foundational data platform, as it offers fully managed database, and it was able to scale with the organization. Snowflake also provides a variety of features that supported the security needs of an organization with highly sensitive PII data.

DataOps.live was selected for its ability to bring automated #TrueDataOps abilities to Snowflake, day one out of the gate, eliminating months of stitching third party solutions together or building custom solutions.

VaultSpeed was selected as the automation solution. It offers a consolidated Data Vault model based on the metadata collected from data sources. The model can be modified using a comprehensive modeling interface to make it match business needs. Built-in templates provide certified integration logic for Data Vault 2.0 and translate the data model into working DDL and ETL code.

Data Engineer

Produce → **VAULTSPEED** Design Build Automate → **Datops.live** Automate Orchestrate Observe → → **Business** Consume

Take charge of your data while balancing agility and governance

About DataOps.live
The data products company

DataOps.live for Snowflake is a one stop platform for 100% of your DataOps lifecycle to enable agility and responsiveness, with no compromise on data security and governance.
The DataOps.live SaaS platform brings automation, orchestration, continuous testing and unified observability to deliver the Data Products you want at the speed the business needs.

About VaultSpeed
The data automation company

VaultSpeed provides a best-in-class data warehouse automation solution to speed up the process of data integration, building on the Data Vault 2.0 methodology.

Enterprise customers worldwide rely on VaultSpeed to simplify the creation and maintenance of their data warehouse. The tool integrates with most popular ETL tools, hundreds of data sources, and top customer choices for cloud data stores like Snowflake, Microsoft Synapse, Databricks, and Google BigQuery.

VaultSpeed is headquartered in Leuven, Belgium, with offices in Seattle, Washington and Vilnius, Lithuania.

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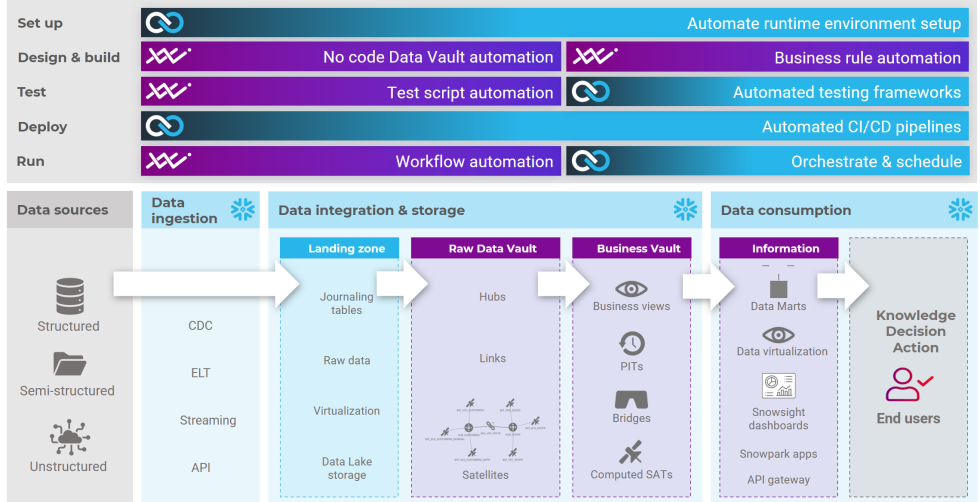**Try** Connect with DataOps.live through AWS or Snowflake Marketplace for a free 14-day trial

Outcomes: agility and costs saving

VaultSpeed's tight integration with Snowflake and DataOps.live ensures the Data Vault model is delivered to Snowflake in the best way possible, capitalizing on key Snowflake capabilities to store and deliver data to consumers.

DataOps.live seamlessly imports the complex DAG routing flows and logic that VaultSpeed generates to ensure the Data Vault is loaded correctly, in the right order, while maximizing performance through parallel loading.

All together this architecture provides a solid modernization stack that is highly automatable, secure and can grow with the organization. Other tools such as Collibra, Validatar, dbt and SqlDBM make up other parts of the solution stack.

Specifically, the DataOps.live platform has enabled:

- Robust and data governance for compliance, with centralized policy definitions and enforcement.

- Heightened data awareness and best practice sharing across patients and physicians.

- Time savings and improved efficiency through end-to-end view of the data to the business consumer.

They engage, enable and empower their physician network with the tools, resources and care programs needed to improve care quality and patient health outcomes, while also making healthcare more affordable.

Future plan

Now, with the agility and growth capability of the Data Vault solution, they want to aggregate health data from more sources and expand their physician network, to benefit even more patients.

An innovative healthcare company

Why DataOps.live?

Snowflake partners of choice

"DataOps.live and VaultSpeed are clearly committed to offering speed, scale, and efficiency to our joint customers, and we are excited to see this type of collaboration between our partners focused on delivering better-together solutions for our customers"

Tarik Dwiek
Head of Technology Alliances
Snowflake

snowflake®

Snowflake Ventures is a key DataOps.live investor, as it brings more value directly to all Snowflake customers:

"DataOps.live enables organizations to build, test and deploy Snowflake products and applications, the same way they do software applications.
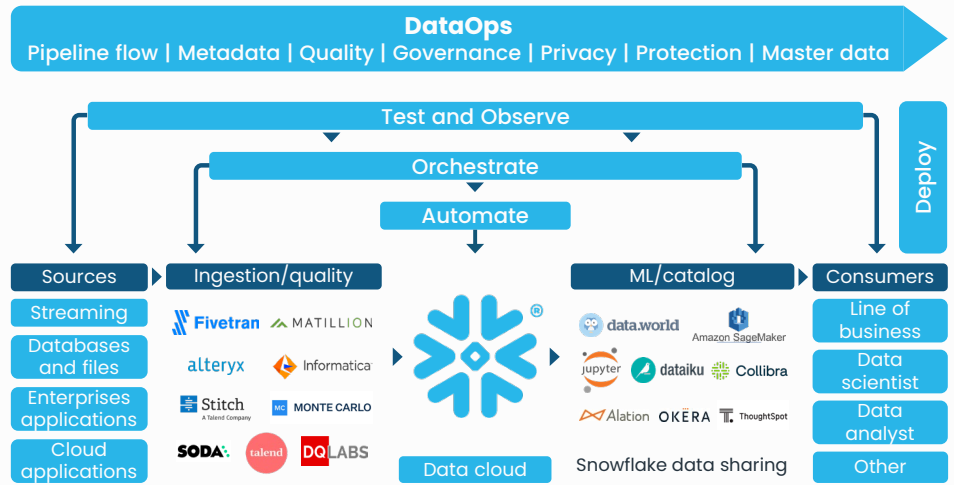
DataOps.live increases speed of development and accelerates adoption, while maintaining governance and security"

Stefan Williams
Head of Corporate Development
Snowflake Ventures

snowflake®

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DataOps
Pipeline flow | Metadata | Quality | Governance | Privacy | Protection | Master data

Test and Observe
Orchestrate
Automate
Deploy

Sources	Ingestion/quality		ML/catalog	Consumers
Streaming	Fivetran	MATILLION	data.world / Amazon SageMaker	Line of business
Databases and files	alteryx	Informatica	jupyter / dataiku / Collibra	Data scientist
Enterprises applications	Stitch	MONTE CARLO	Alation / OKERA / ThoughtSpot	Data analyst
Cloud applications	SODA / talend / DQLABS			Other
	Data cloud		Snowflake data sharing	

If there is one tool that will change your life forever it is DataOps.live.

Go and see for yourself—this is the heart of your modern data stack!

Paul Rankin
Head of Data Management Platforms
Roche Diagnostics

Benefits and Value

Increased efficiencies
Fewer employees can deliver higher productivity in a short time scale.

Reduced costs
By shortening the time to production, businesses can reduce costs by a minimum of 30%.

Simplified orchestration and management
DataOps transcends vendor-specific limitations, enabling orchestration of heterogeneous data environment.

Faster development
Gain access to the valuable insights in a day rather than a month.

Data Assurance
Provide assurances and guarantees on data your business stakeholders can rely.

Parallel development
Using DataOps, teams deliver changes in parallel—zero conflict—with faster delivery to business.