

NXT Accelerators

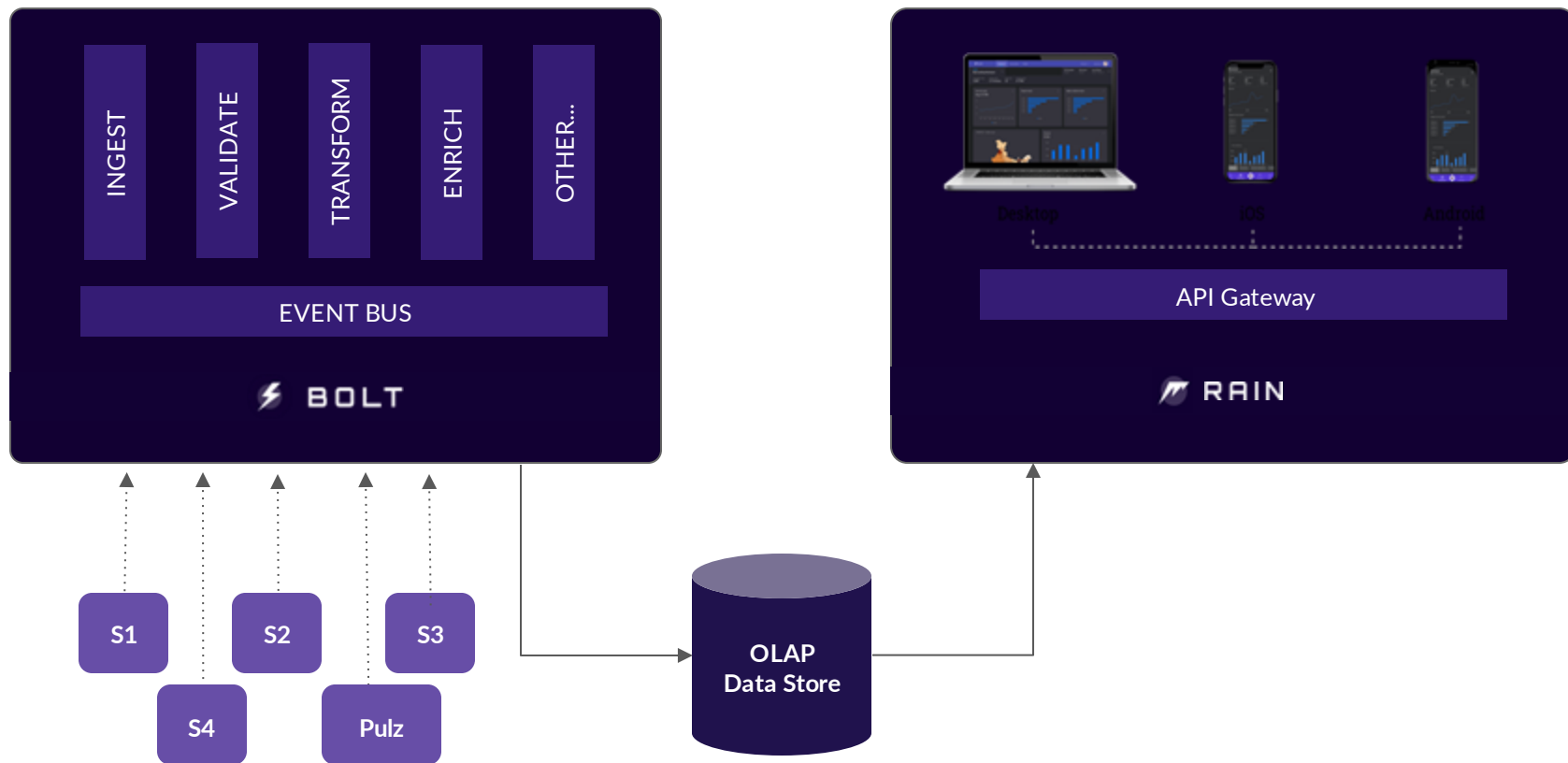


Supercharge your business with the power of data





Framework - overview

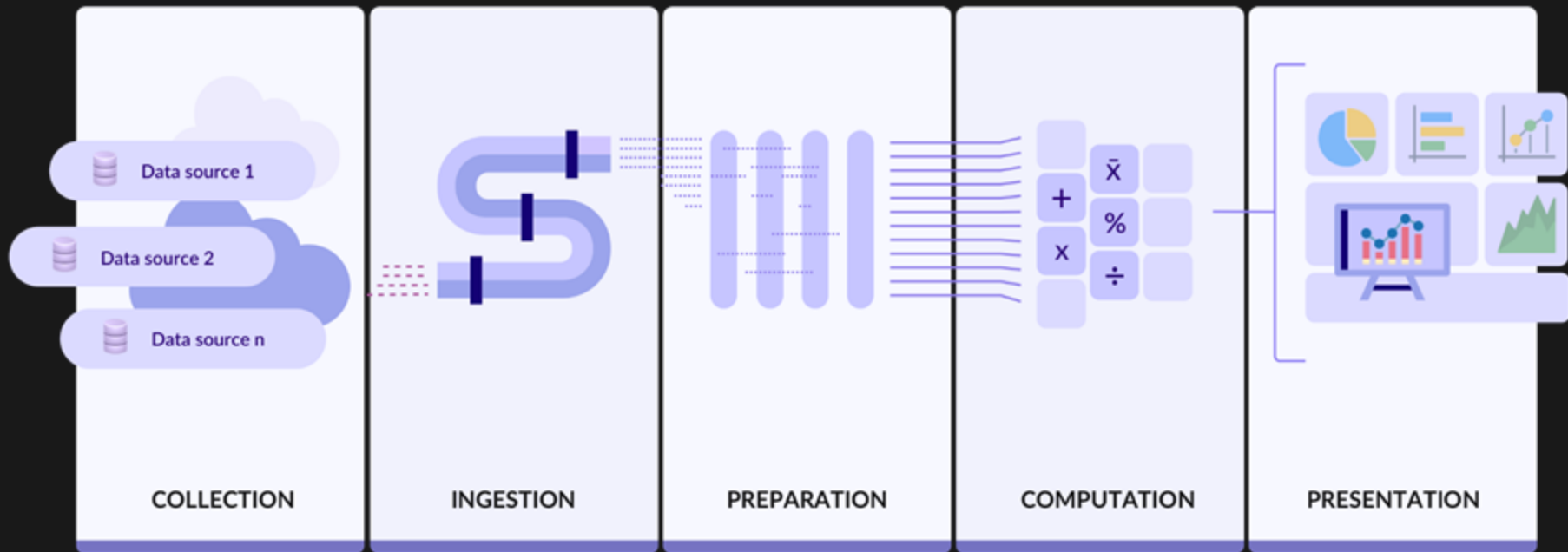


BOLT



Data. Information. Insights

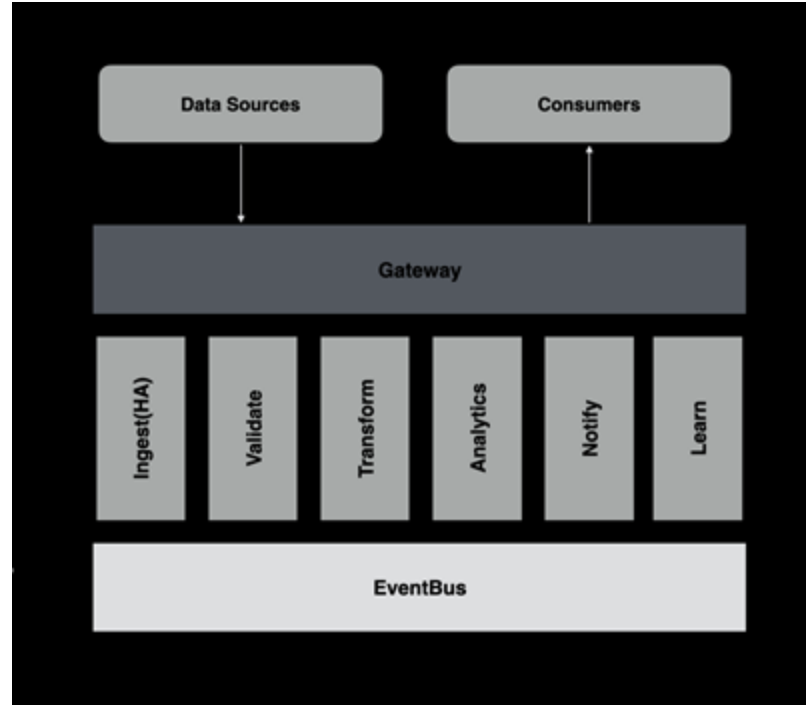




Features

Configurable, Controlled and Dynamic Data Pipeline

Services which are configuration controlled. Enabled and Disabled as per the needs and supported by a powerful event bus for fallback and ensuring no loss of data.



Tech Stack for BOLT



Spring Boot

To make a scalable server side application



Azure Managed Elasticsearch



To discover the expected and uncover the unexpected



Azure MySQL

To enable storage of metadata



Azure Container Registry

To package up the code and its dependencies for quick & reliable computing.



Azure Application Insights

To improve customizable, effective logging at different levels



Azure Event Hubs

To enable data feeds with its event bus and high throughput

Praveen's Shipping Business

01

Runs a shipping and container service

Runs a logistics-based shipping and container service where he enables the customer to ship their goods

02

Has multiple vendors / enablers

Has subscribed to many vendors whose software and applications are used to track, manage and keep the shipping business transparent to customers.

03

Manually collates the reports and mailers

Generates the reports from vendors application and manually does the join and merge to arrive at a meaningful picture of a customer's shipments

04

Seek, Receive and Fetch

Each vendor has their own time frequency at which the reports are sent out to Praveen. He waits and then collates as and when they arrive



Praveen's Shipping Business

01

...

Connects all vendors through BOLT

Receive data that a vendor software sends, fetch an existing data from an application and read the mail that a vendor sends, read a file that vendor puts on Azure. Done in one place by BOLT

02

...

Verify the data and tune it

Data obtained from vendors is verified, validated, transformed and enriched as per Praveen's requirement and made available for his customers as well

03

...

Update on arrival

Merge, collate and aggregate is now easy as and when the data is obtained

04

...

Real-time access to consolidated view

With merge and collate done on arrival, consolidated view of a customer's shipment is made available to the stakeholders ensuring transparency



Thank you!

