Job Portal Service

Faculty: Michael Enudi

About Me.

- Lives and works in Johannesburg, South Africa
- Senior Software engineer with over 10 years of working experience writing enterprise java applications, architecting data solutions.
- Cloudera Certified Spark and Hadoop Developer.
- Oracle Certified SQL Expert
- Oracle Certified Java Master
- Sun Certified Java Business Component Dev.
- Sun Certified Java Programmer
- Big data enthusiast

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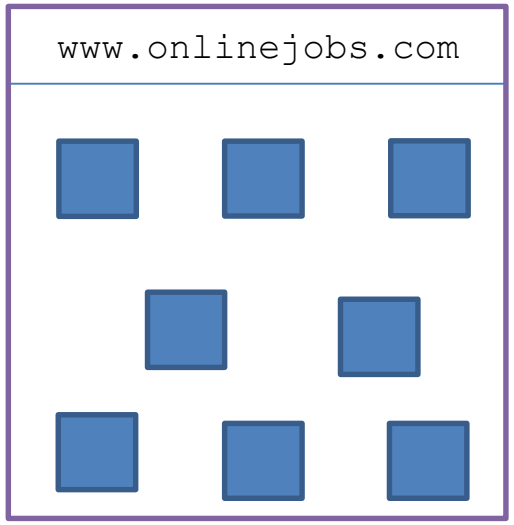
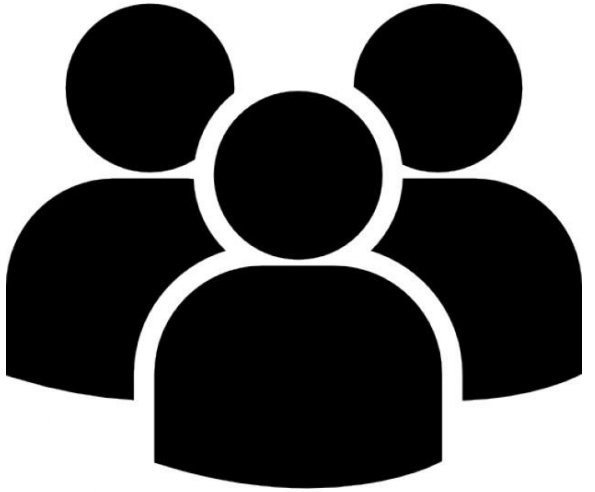
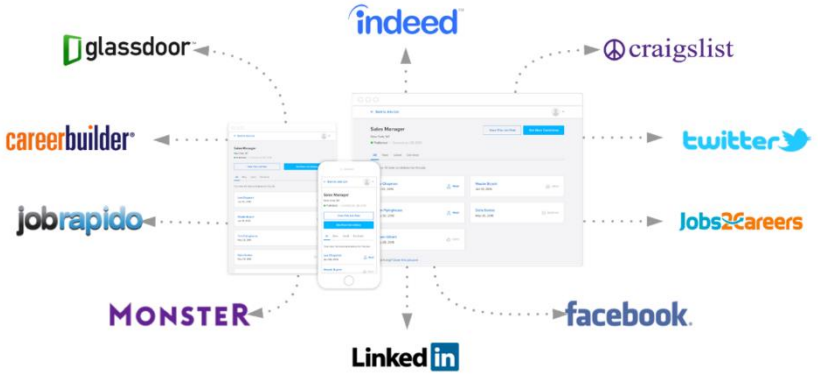
Job Ads Sites





- Posts a job
- Search for registered job seekers



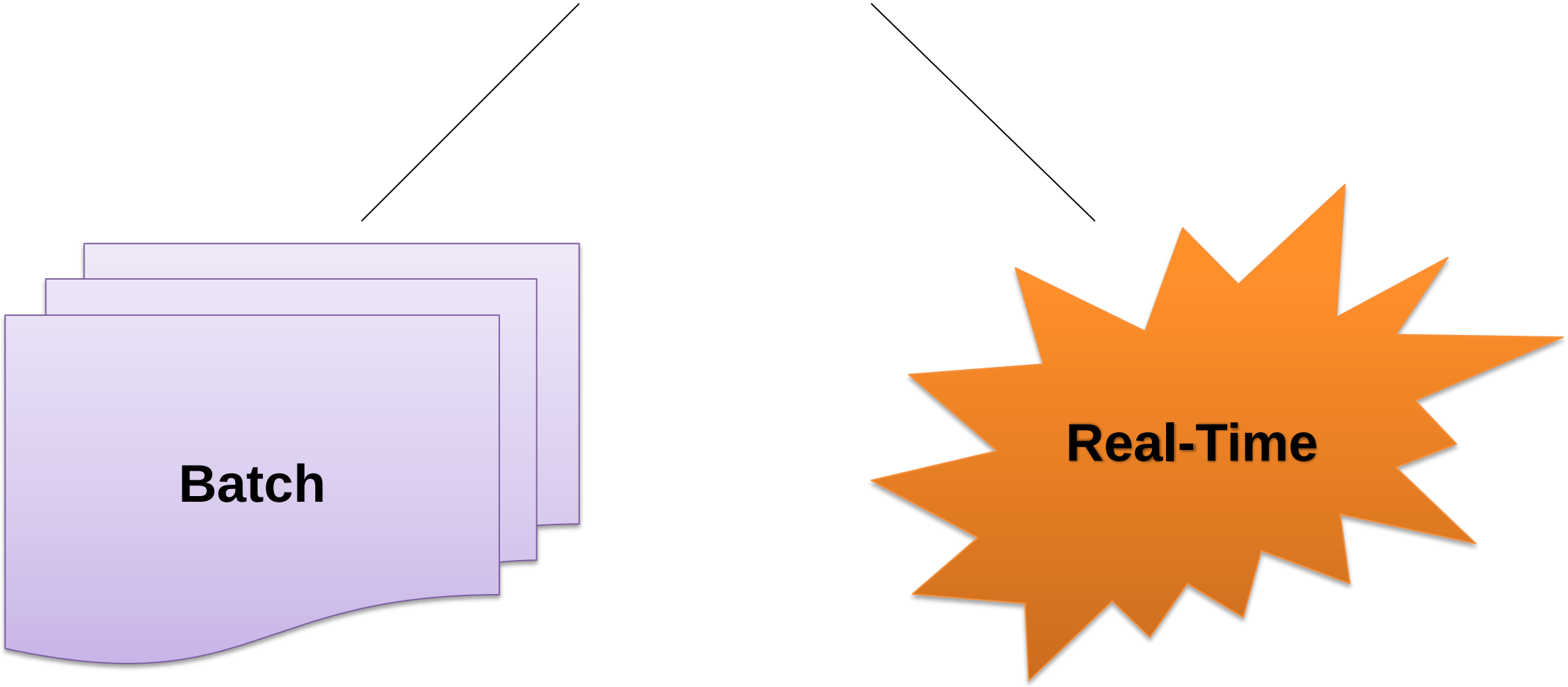
- Search of jobs
- Apply of jobs
- Register for notifications

Twitter

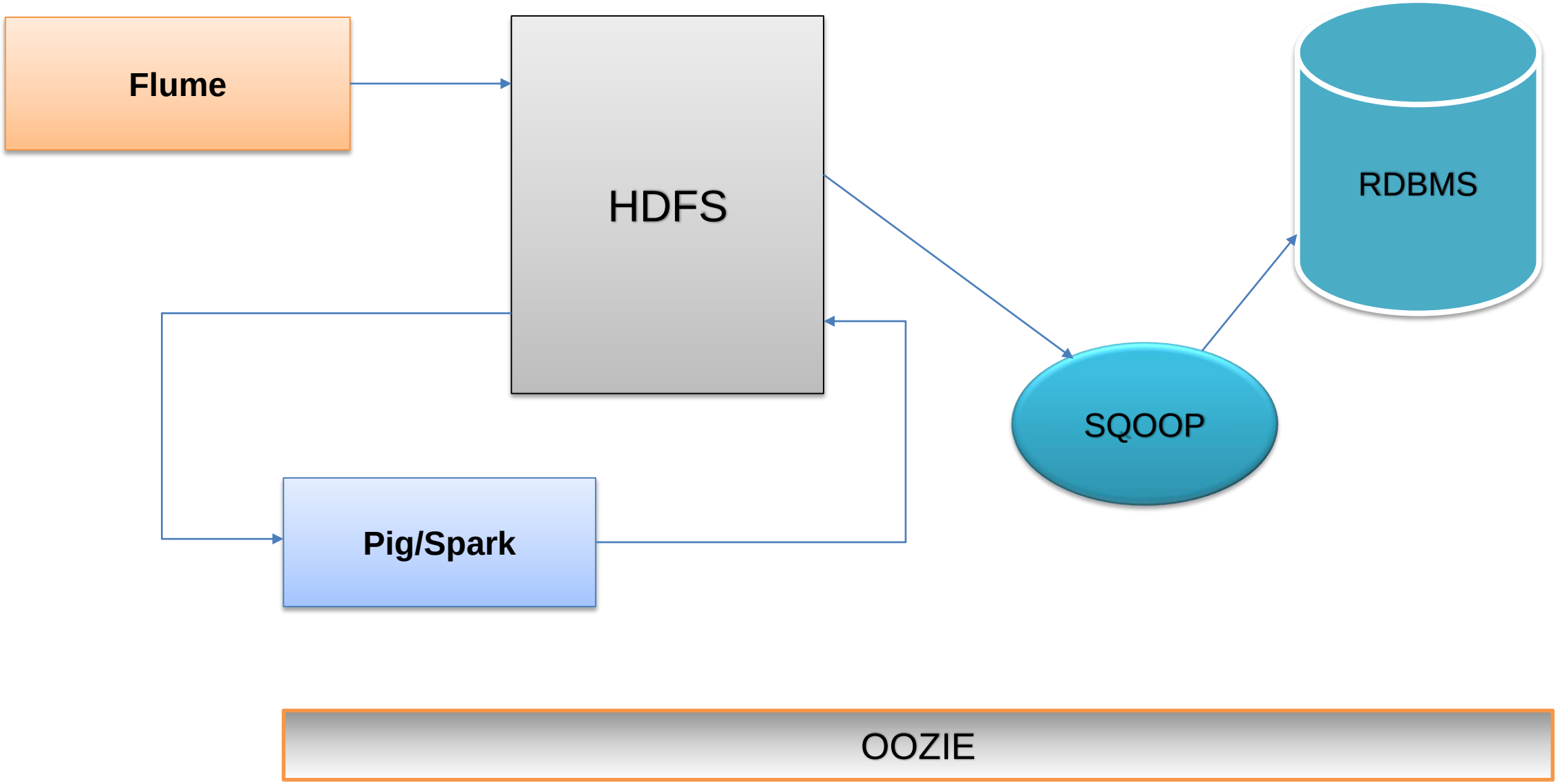
Twitter-based Job Portal Service ???

What if we could create a web portal where users can search for job, subscribe for notifications and get routed to the official job sites on any finds.

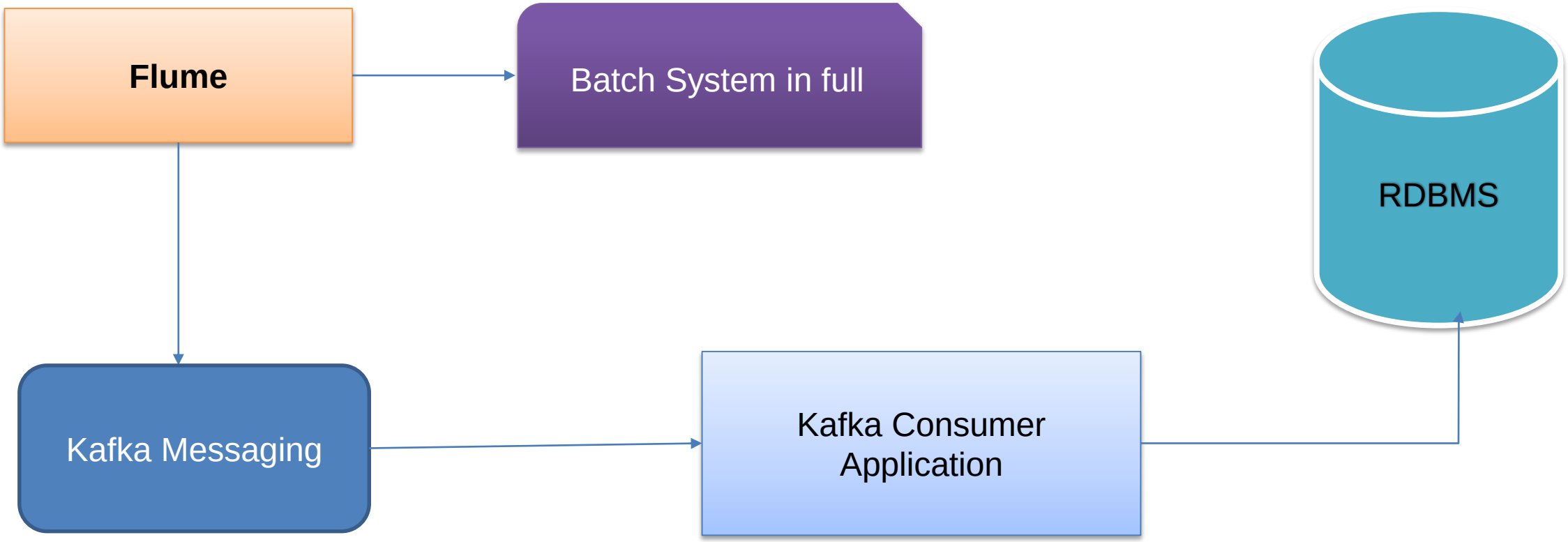
Architecture



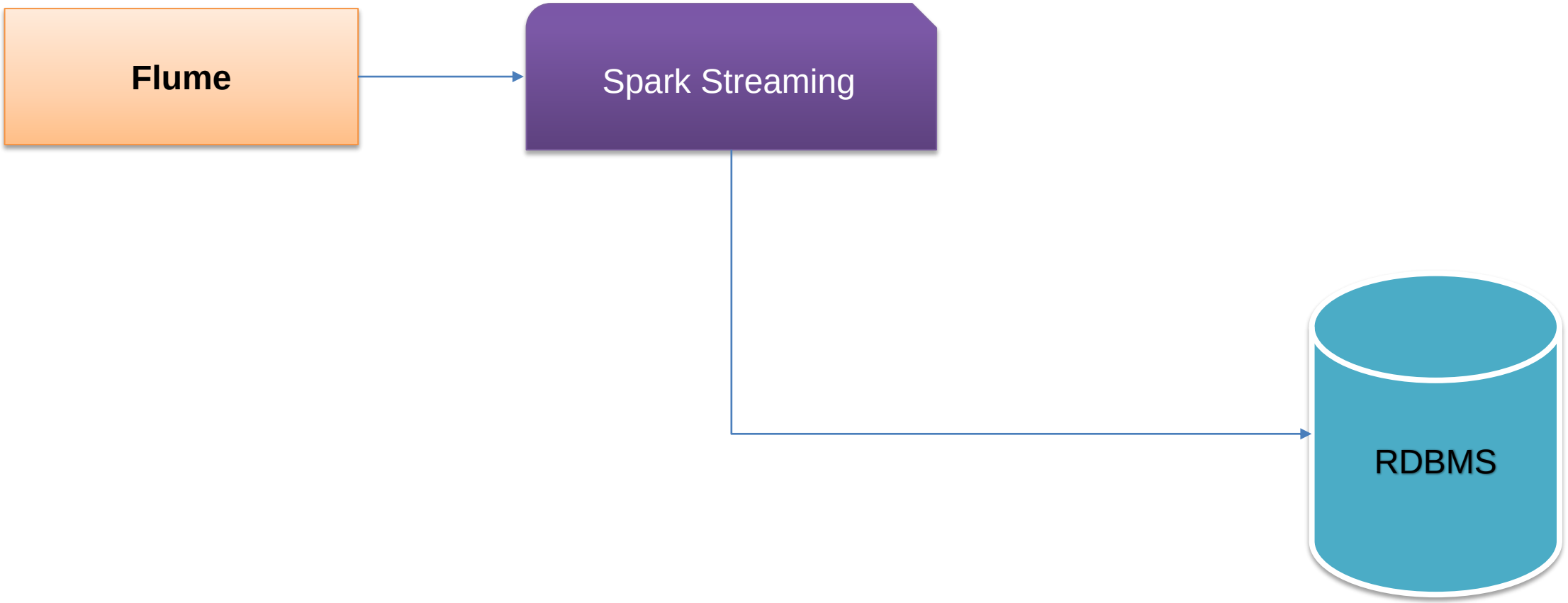
Architecture: Batch



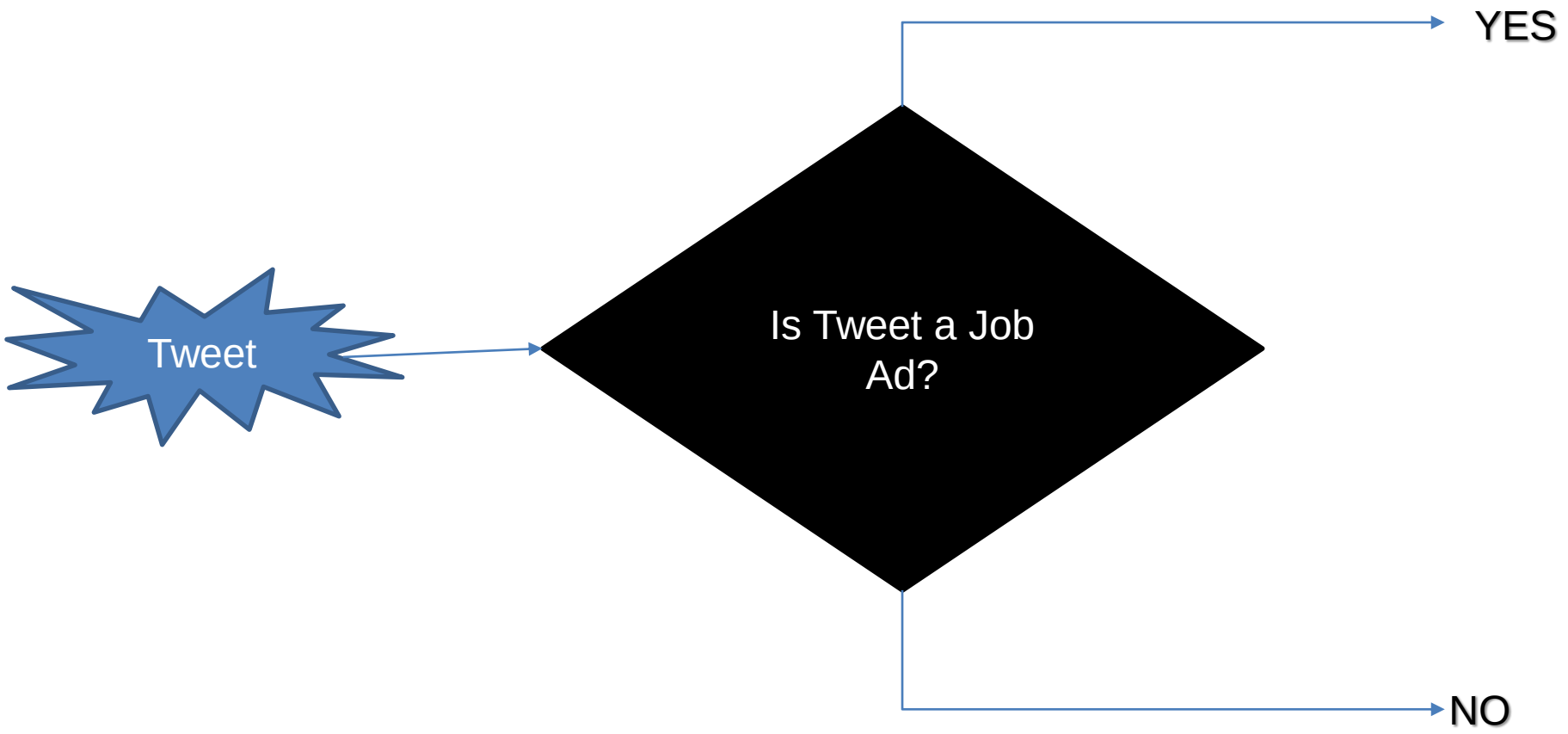
Architecture: Real Time



Architecture: Real Time v. 2



Architecture: Machine Learning Module



A Machine Learning Classification System to actually remove non-job ad tweets

Question

Write down your thoughts about an architecture that will use both batch and real time paths in one.

Give the business case for that?

Give the pros and cons.

Requirements

- Cloudera Quickstart VM 5.7 or 5.8
- Kafka
- Scala SDK and Runtime
- Scala build tool

Thank You