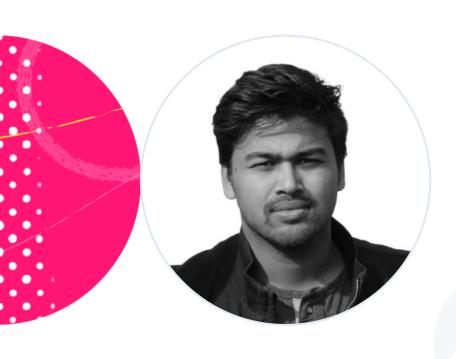
Resilience at Scale



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Scaling in Kafka Ecosystem

Horizontal scaling

Vertical scaling

Partition scaling

Consumer scaling

Producer scaling

Demo: Scalability and Fault Tolerance

We will scale Kafka brokers and see how Kafka is inherently fault tolerant



Demo: Observability

Cluster Manager Apache Kafka



Kafka, RabbitMQ, and Pulsar

RabbitMQ

Excels at task distribution and simple routing

When delivery guarantees matter most

Simplicity comes with limits in scalability and throughput

Kafka

Log based messaging

Massive scale event streaming

Persistance



Pulsar

Kafka's scalability with RabbitMQ flexibility

Multi tenant

Cloud native



Thank you for your time!



