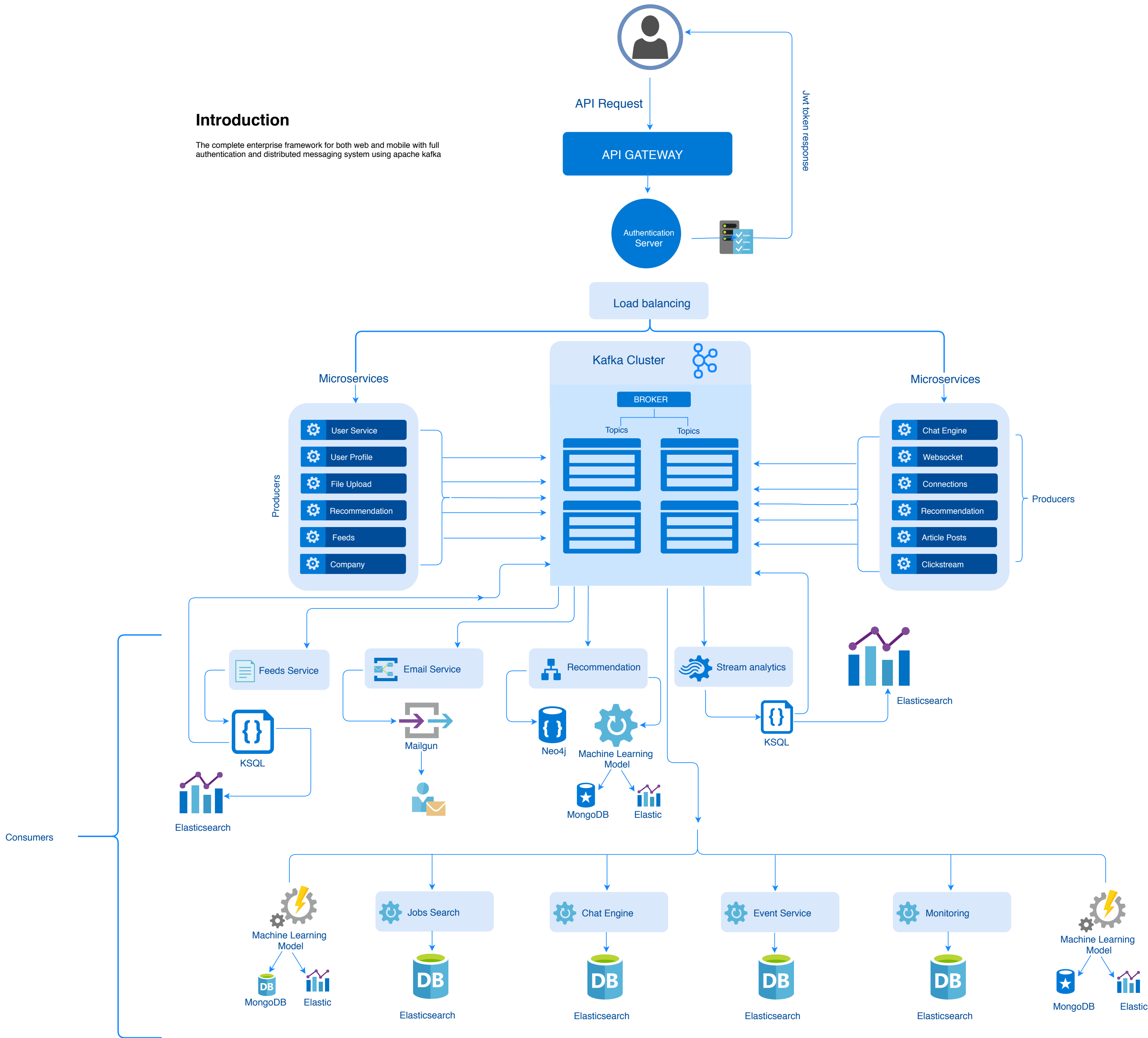# Careercolony Enterprise Architecture

Introduction

The complete enterprise framework for both web and mobile with full authentication and distributed messaging system using apache kafka

API Request

API GATEWAY

Authentication Server

Jwt token response

Load balancing

Kafka Cluster

BROKER

Topics   Topics

Microservices

Producers

- User Service
- User Profile
- File Upload
- Recommendation
- Feeds
- Company

Microservices

Producers

- Chat Engine
- Websocket
- Connections
- Recommendation
- Article Posts
- Clickstream

Consumers

Feeds Service

KSQL

Elasticsearch

Email Service

Mailgun

Recommendation

Neo4j

Machine Learning Model

MongoDB   Elastic

Stream analytics

KSQL

Elasticsearch

Machine Learning Model

MongoDB   Elastic

Jobs Search

Elasticsearch

Chat Engine

Elasticsearch

Event Service

Elasticsearch

Monitoring

Elasticsearch

Machine Learning Model

MongoDB   Elastic

Producers

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Consumers

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API Gateway

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Load Balancing

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Feeds

Feeds includes article posts, comments, job posts, comments, shares and likes. And it passes through the streaming pipeline for analytics