High level Design:

Email Sender

Slack Sender

EMAIL

EMail

Notification Sender

JMS/KAFKA

Notification Service

**Notification Service:** Its spring boot service expose REST api to get Notification.

Inside request payload user has to mention the channel e.g EMAIL

Based on channel service will send the message to a queue/topic to Kafka/MQ

**Request Payload**:

{

"channel": "EMAIL",

"message": {

"content": "string",

"subject": "string"

},

"receivers": [

{

"address": "string",

"name": "string"

}

],

"sender": {

"address": "string",

"name": "string"

}

}

**Kafka/MQ:**

It has different topic/queue for different channel.

**Notification Sender:**

Notification sender send the notification to end user.

Its has specific connector for each channel like EmailConnector / SlackConnector etc.