Use auth token to initialize web socket to get real time messages

Use auth token to initialize web socket to get real time updates

Login returns auth\_token

**Messaging Microservice** handle the messages being sent from users to other users **SocketIO server**

**Consumer: Social Media** Get Social Media updates about stocks and send them to the user **SocketIO server**

**Consumer: Stock Updates** Get Stock Data and send updates to the users **SocketIO server**

**Consumer: Reddit Tracker** See which stocks are trending and check reddit to see what people are saying about it **Producer**

**Consumer: Twitter Tracker** See which stocks are trending and check twitter to see what people are saying about it **Producer**

**Kafka topic: Social Media**

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |

Go to website

**Web Server/Hosting** web server that will give the user the html, css and js files

**Front End / USER** user trying to use the app

**Login Microservice** authenticate users trying to login

**Database**

**Kafka topic: Stocks**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |

**Producer** Make API calls and put them into stocks topic

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