foggly

Use Data to unlock tomorrow's world

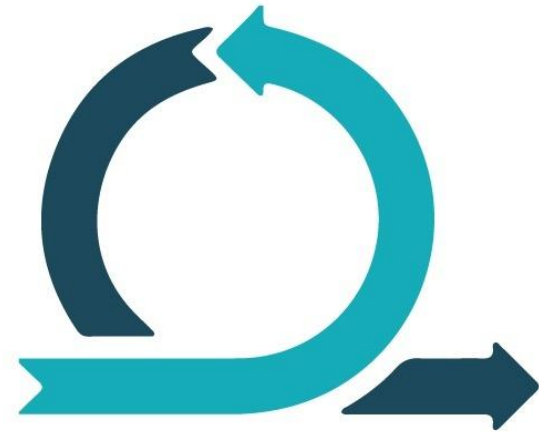Chloe Prouvost - Nathan Balblanc - Quentin Viozelange - Valerian Cazanave - Gautier Delorme
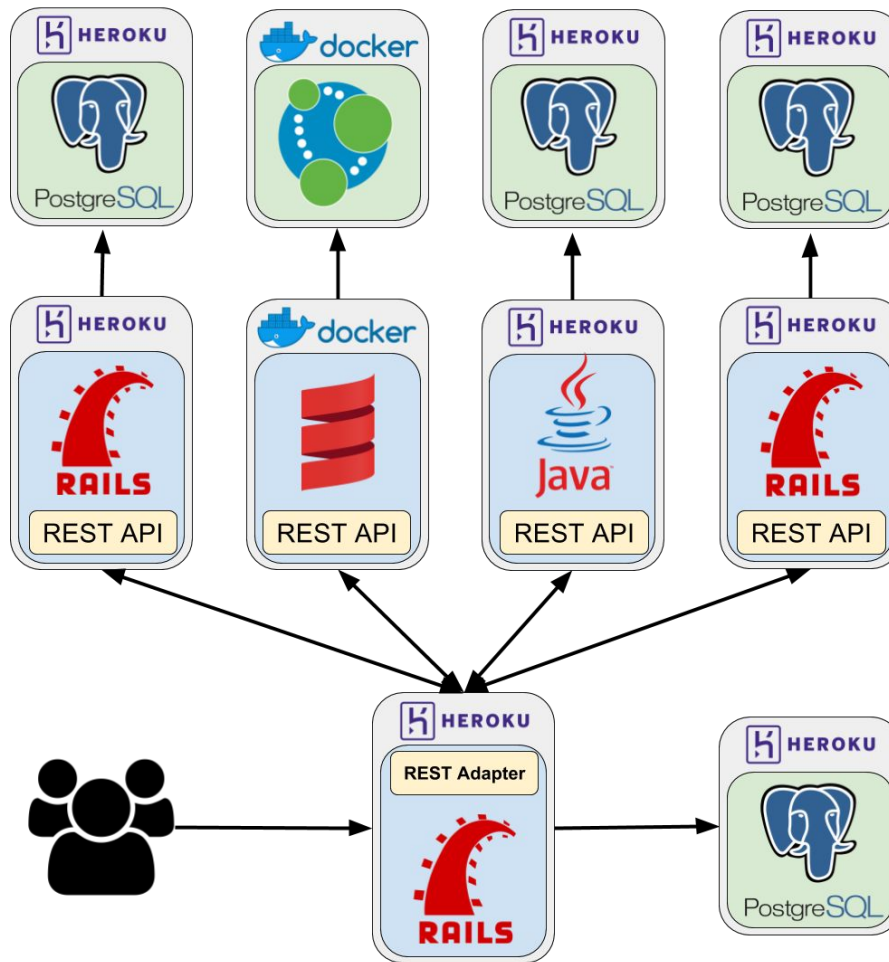
Summary

Architecture

Partners

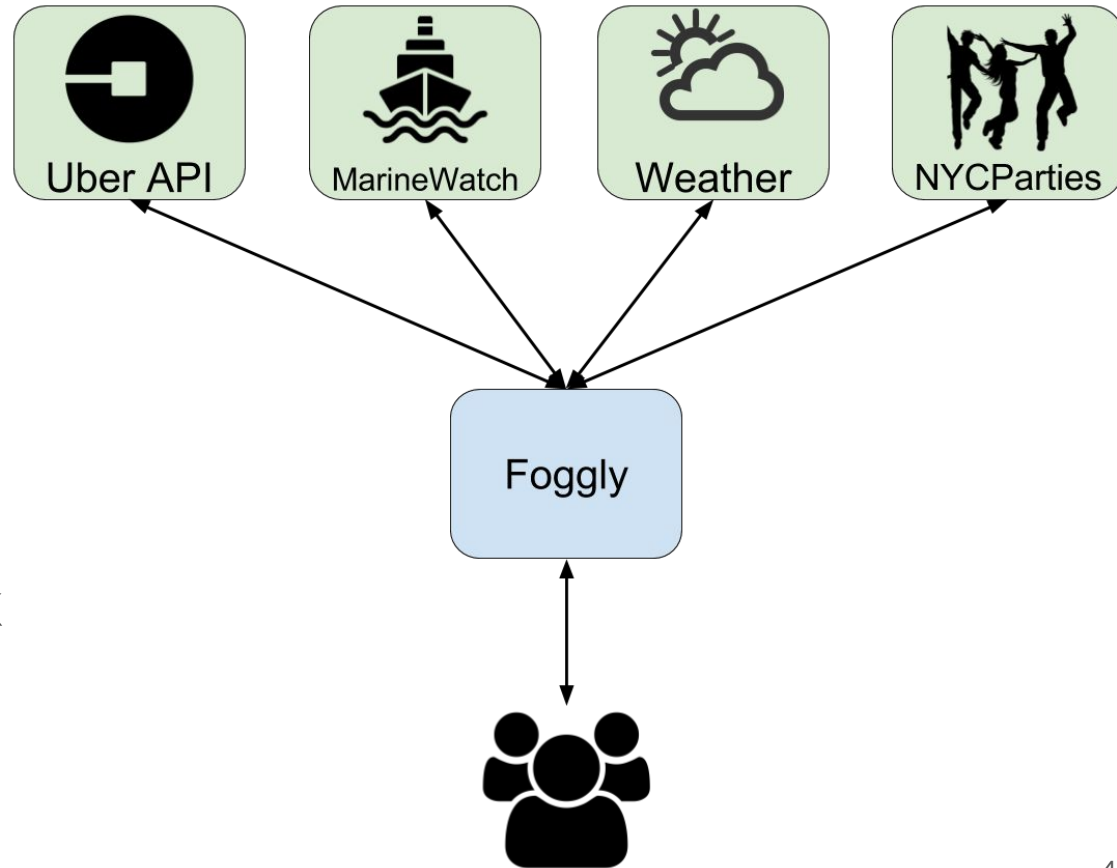Foggly features

Development process

Architecture

Partners

Uber pickups

Parties in New York

Weather in New York

Marine Watch

Uber pickups

Dataset :

- Uber Pick up in New York

- Date, Time, Location (address of the pickup)

Technologies :

Parties in New York

Dataset :

- Noise complaints in New York (2016)

- Date, Time, Location (Type), Number of calls

Technologies :
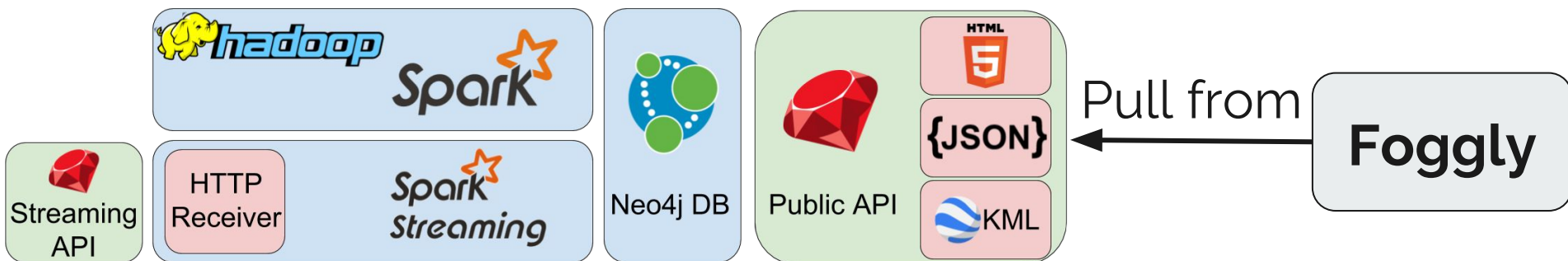
Weather in New York

Dataset :

- Weather data in New York City - 2016

- Date, Temperature (min, max, average), precipitation, snowfall, snow depth

Technologies :

Marine Watch

Streaming API → HTTP Receiver → Spark Streaming / Hadoop / Spark → Neo4j DB → Public API (HTML5, {JSON}, KML)

Pull from ← **Foggly**

Foggly features

Users, Groups and Sessions

Mailbox

Data Sources

Reports

Users, Groups and Sessions

Users, Groups and Sessions

Groups / Insa Toulouse / Users

Insa Toulouse

Leave

Overview | Users | Settings

Name	Joined on
Gautier	11/18/17
Quentin Viozelange Dit Qv	12/05/17
Valerian	12/01/17
Chloe Prouvost	11/21/17

Mailbox

Balblanc Nathan   12/04/17 13:30

Coucou je m'appelle Balblanc Nathan

Gautier   01/20/18 14:38

Salut mec

Write here to reply...

Data Sources

Data Sources

New Data Source

Data Source	Created by	Last modified
Cryptocurrency Market Capitalizations	Gautier	12/01/17 15:25
Parties In New York	Zorro	01/08/18 10:04
Uber Pickups	Nathan Toto	01/13/18 16:42
Weather In New York	Chloe Prouvost	01/15/18 22:07

Data Sources

Cryptocurrency Market Capitalizations

Overview   Endpoints   Settings

What is "Market Capitalization" and how is it calculated?

Market Capitalization is one way to rank the relative size of a cryptocurrency. It's calculated by multiplying the Price by the Circulating Supply.

Market Cap = Price X Circulating Supply.

How are the prices calculated for the various cryptocurrencies?

Price is calculated by taking the volume weighted average of all prices reported at each market. Sources for the prices can be found on the markets section on each cryptocurrency page. For example, Bitcoin's markets.

Data Sources Configuration

Cryptocurrency Market Capitalizations

Overview   Endpoints   Settings

Cryptocurrency Market Capitalizations

https://api.coinmarketcap.com/v1/

What is "Market Capitalization" and how is it calculated?

Market Capitalization is one way to rank the relative size of a cryptocurrency. It's calculated by multiplying the Price by the Circulating Supply.

Market Cap = Price X Circulating Supply.

Data Sources Configuration

Danger Zone

Restrict access to specific groups:

Update Accessibility

☐ Insa Toulouse

Delete this data source

Delete this data source

Once you delete a data source, there is no going back.
Please be certain.

Data Endpoints

Data Sources / Cryptocurrency Market Capitalizations / Endpoints

Cryptocurrency Market Capitalizations

Overview · Endpoints · Settings

New Endpoint

Name	Endpoint		Last modified
Global Data	GET	https://api.coinmarketcap.com/v1/global/	12/01/17 15:22
Ticker	GET	https://api.coinmarketcap.com/v1/ticker/	12/01/17 15:23

Data Endpoints

Data Sources / Cryptocurrency Market Capitalizations / Endpoints / Global Data / Requests

Cryptocurrency Market Capitalizations

Global Data

Overview | Requests | Settings

New Request

Request	Endpoint	Executed at
Request #11	https://api.coinmarketcap.com/v1/global/	01/20/18 15:12
Request #1	https://api.coinmarketcap.com/v1/global/	12/11/17 12:45

Data Request

Cryptocurrency Market Capitalizations

Global Data

GET https://api.coinmarketcap.com/v1/global/

Overview | Compare with | Add to

```
{
  "convert": "EUR"
}
```

Response ⬇

```
{
  "total_market_cap_usd": 444487918192.0,
  "total_24h_volume_usd": 22352506531.0,
  "bitcoin_percentage_of_market_cap": 63.06,
  "active_currencies": 913,
  "active_assets": 426,
```
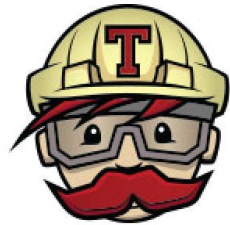
Data Request

Cryptocurrency Market Capitalizations

Global Data

`GET` https://api.coinmarketcap.com/v1/global/

Diff between #11 and #1

```
{
  "url": "https://api.coinmarketcap.com/v1/global/",
  "params": {
+   "convert": "EUR"
  },
  "response": {
-   "total_market_cap_usd": 619425464934.0,
-   "total_24h_volume_usd": 34748004447.0,
-   "bitcoin_percentage_of_market_cap": 34.72,
-   "active_currencies": 895,
-   "active_assets": 549,
-   "active_markets": 7814,
-   "last_updated": 1516460966
+   "total_market_cap_usd": 444487918192.0,
+   "total_24h_volume_usd": 22352506531.0,
```

Reports

Web format

Cryptocurrency Market 2017

Print

Preview   Add Requests   Edit

Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus quis turpis in est rutrum sollicitudin feugiat vitae diam. Sed ac metus sem. Vivamus quis libero at elit lobortis consequat. Duis libero diam, tincidunt ac neque eget, pharetra mattis odio. Aenean quis sem at elit pellentesque auctor. Vivamus eget nunc augue. Nam eu sapien pretium, rutrum nisi vitae, sodales est.

Analyses

GET https://api.coinmarketcap.com/v1/global/

Params

```
{
  "convert": "EUR"
}
```

Response

```
{
  "total_market_cap_usd": 444487918192.0,
```

Reports

Printed format

Cryptocurrency Market 2017

Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus quis turpis in est rutrum sollicitudin feugiat vitae diam. Sed ac metus sem. Vivamus quis libero at elit lobortis consequat. Duis libero diam, tincidunt ac neque eget, pharetra mattis odio. Aenean quis sem at elit pellentesque auctor. Vivamus eget nunc augue. Nam eu sapien pretium, rutrum nisi vitae, sodales est.

Analyses

GET https://api.coinmarketcap.com/v1/global/

Params

```
{
  "convert": "EUR"
}
```

Response

```
{
  "total_market_cap_usd": 444487918192.0,
  "total_24h_volume_usd": 22352506531.0,
  "bitcoin_percentage_of_market_cap": 63.06,
  "active_currencies": 913,
```

Development process

Continuous Integration

Continuous Deployment

Scrum

Continuous Integration
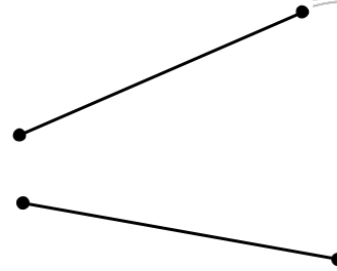
Continuous Deployment
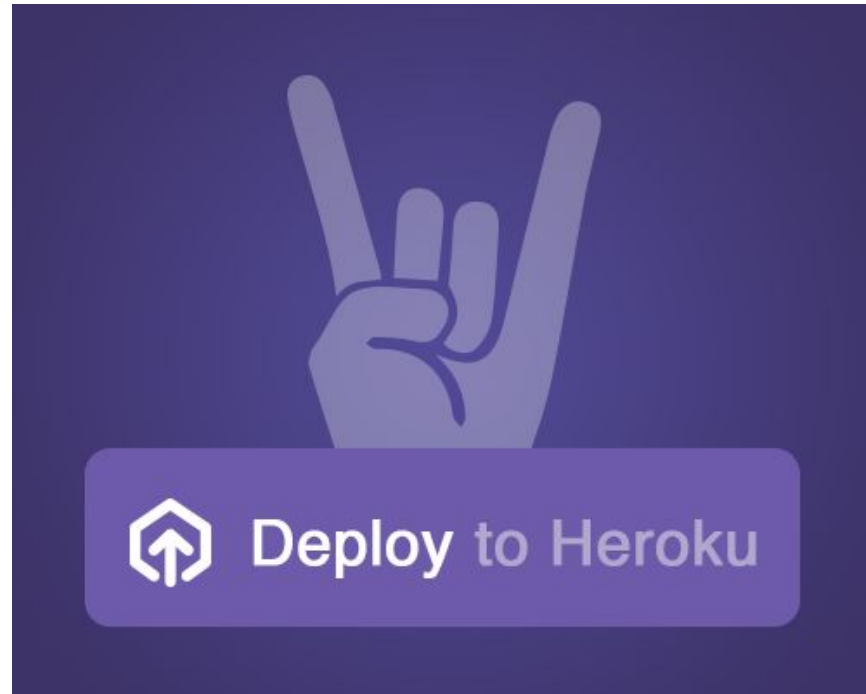
Continuous Integration/Deployment

Foggly Workflow

push code to github → build on travis CI → run Integration tests → deploy on Heroku

Scrum

IceScrum

Thanks for your attention!
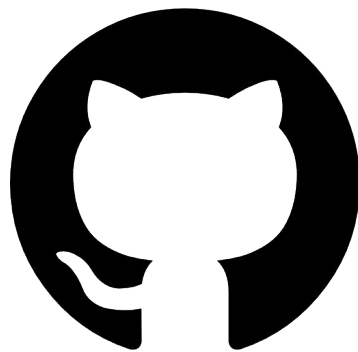
github.com/fogglyorg/foggly