

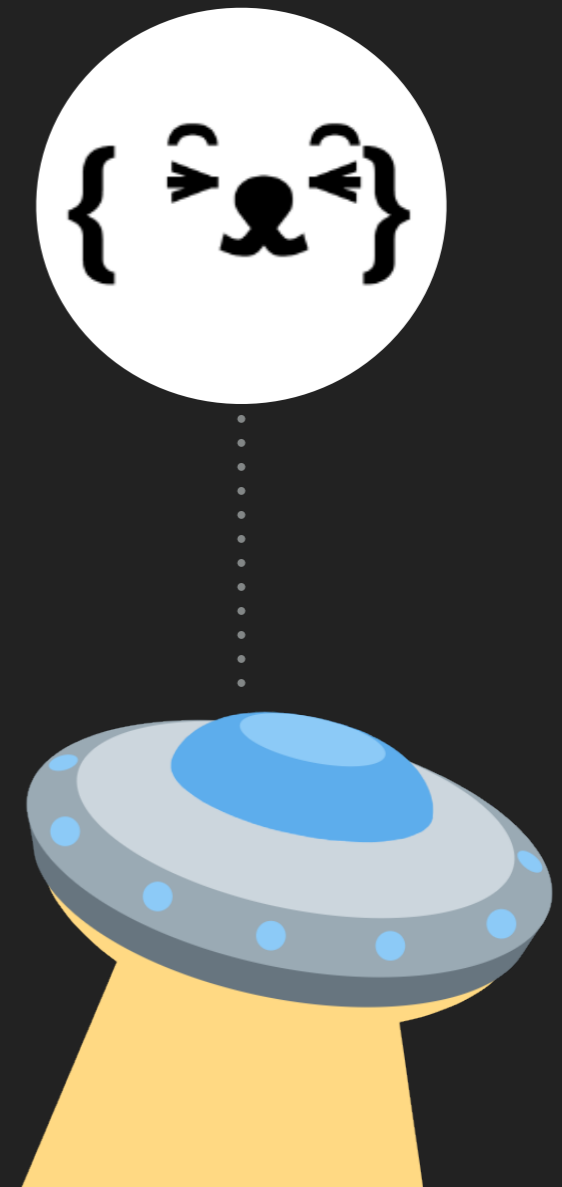
[JASONELLE.COM](http://JASONELLE.COM)

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APPS WITH JSON

# HISTORY

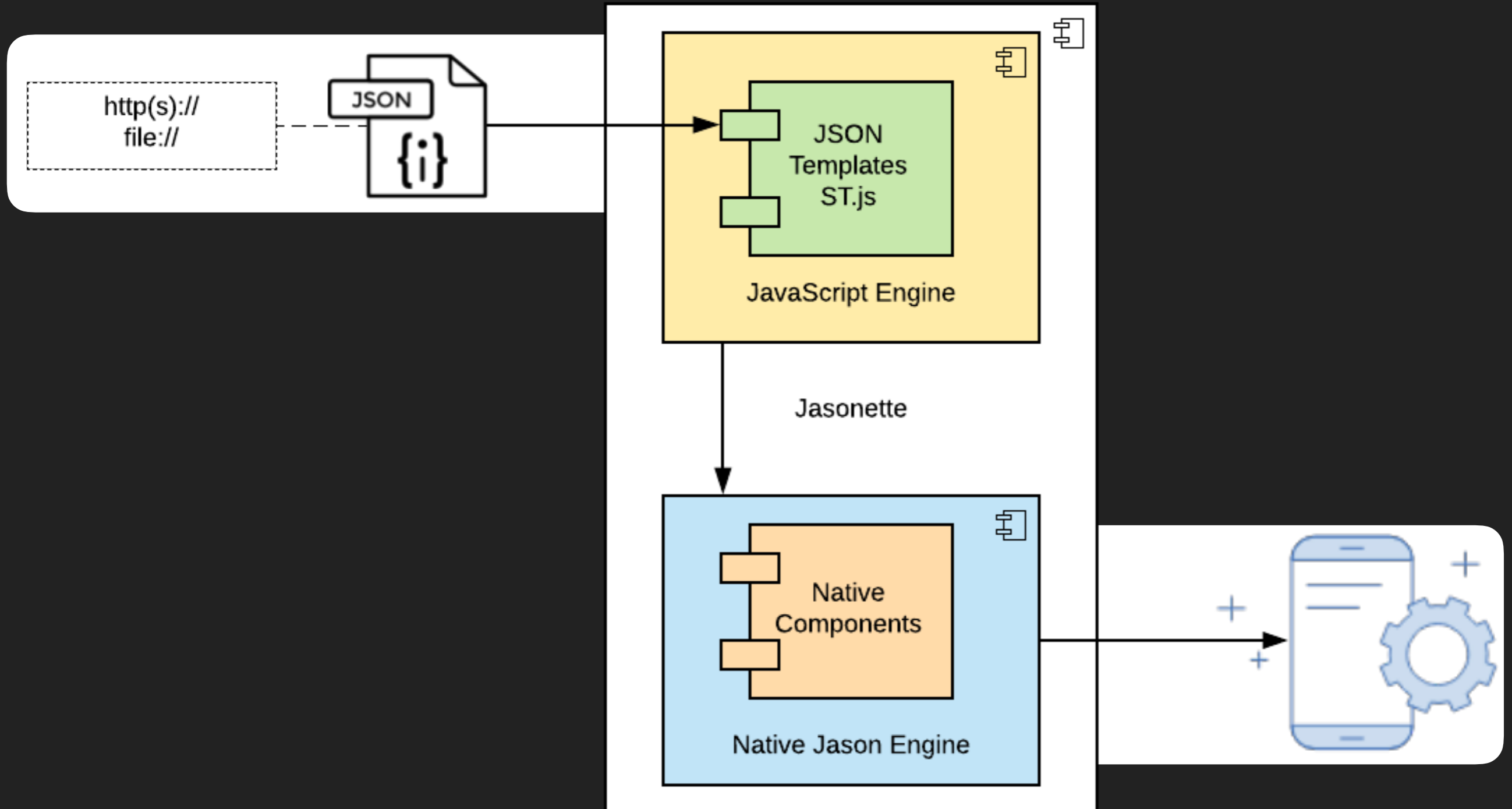
- ▶ Created by Ethan [@glichtenstein](#) ([jasonette.com](#)) in 2016
- ▶ Ethan involved until June 2018
- ▶ Jasonelle Fork created in November 2018



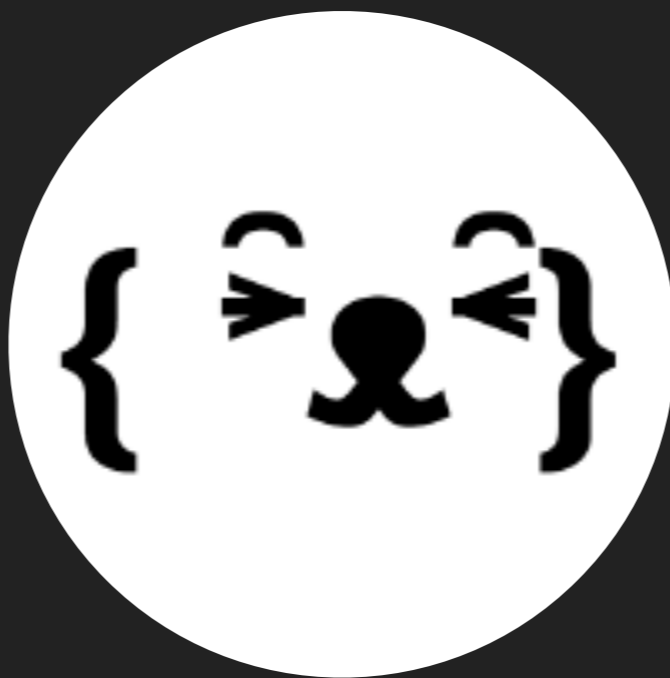
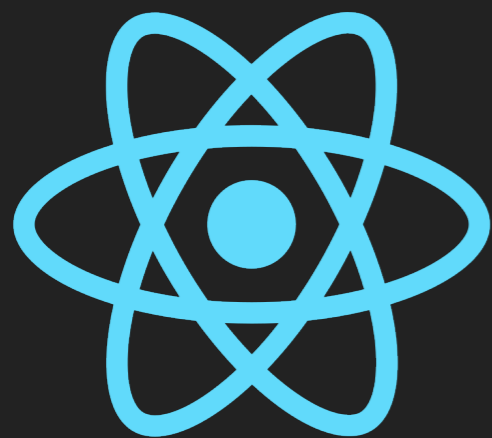
## MAIN GOALS

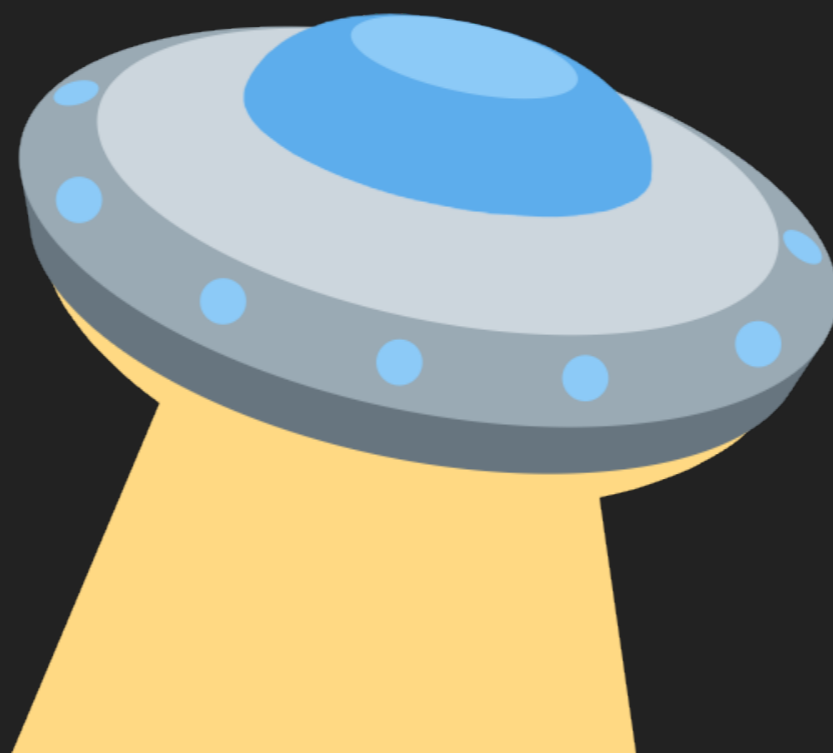
- ▶ Use known and popular technologies (JSON, Javascript). 100
- ▶ Easy to learn, use and extend. 😊
- ▶ Stable API. ⚓
- ▶ Use Native Components. 📱
- ▶ Great Documentation. 📄✍️
- ▶ Friendly and Welcoming Community. 🤝

# ARQUITECTURE



## WHERE DOES IT SHINE?





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# MICRO APPS

## MICRO APPS?

- ▶ Single Purpose.
- ▶ Executed in a Container App.
- ▶ Updated by constant stream and incremental delivering.
- ▶ Make business services accesible to users in a single mobile app.

# MICRO APPS USE CASES

Intranets.

News.

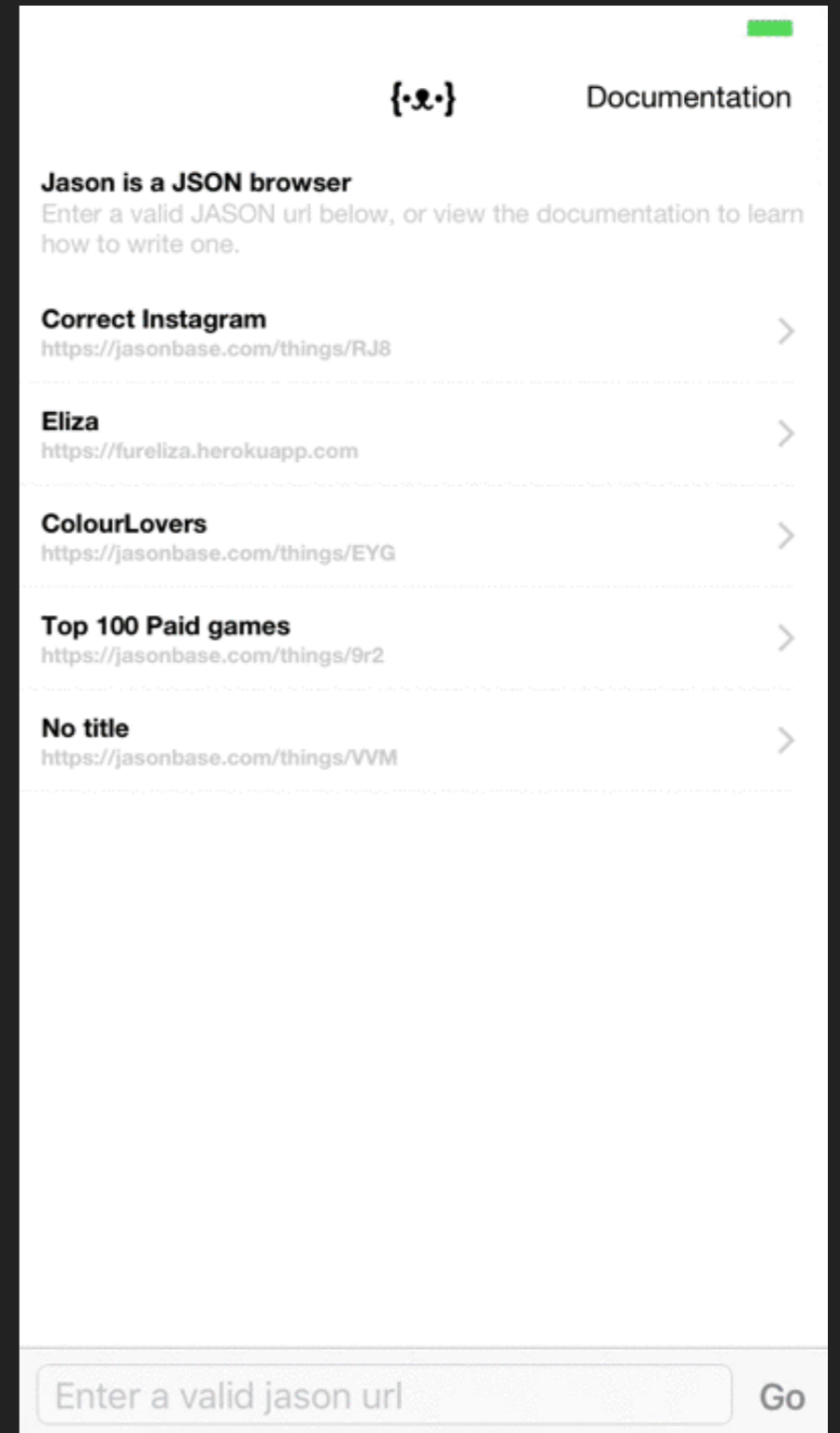
Workflows.

Dashboards.

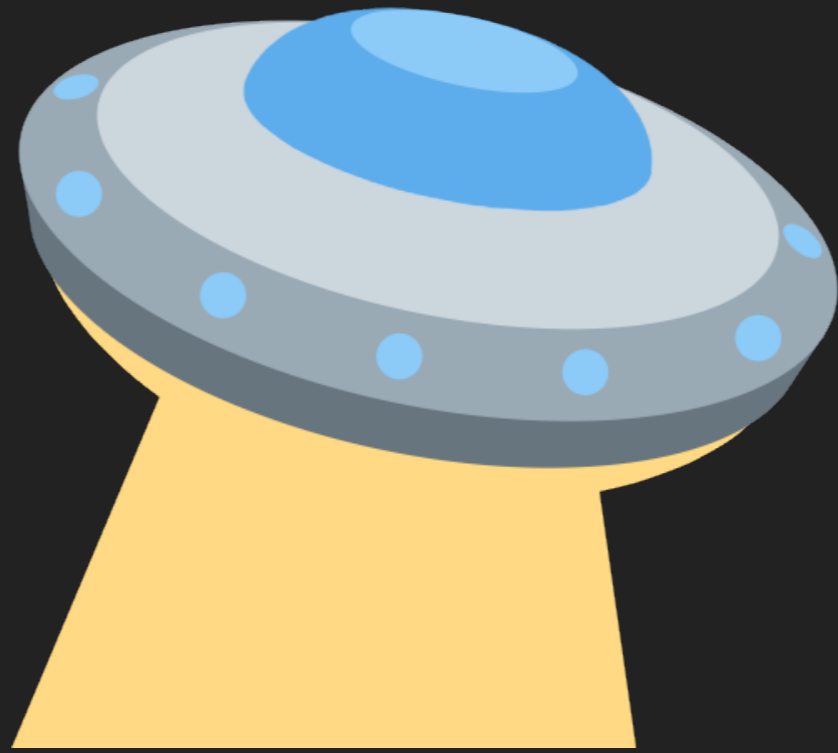
Forms.

Notifications.

Custom Controls.





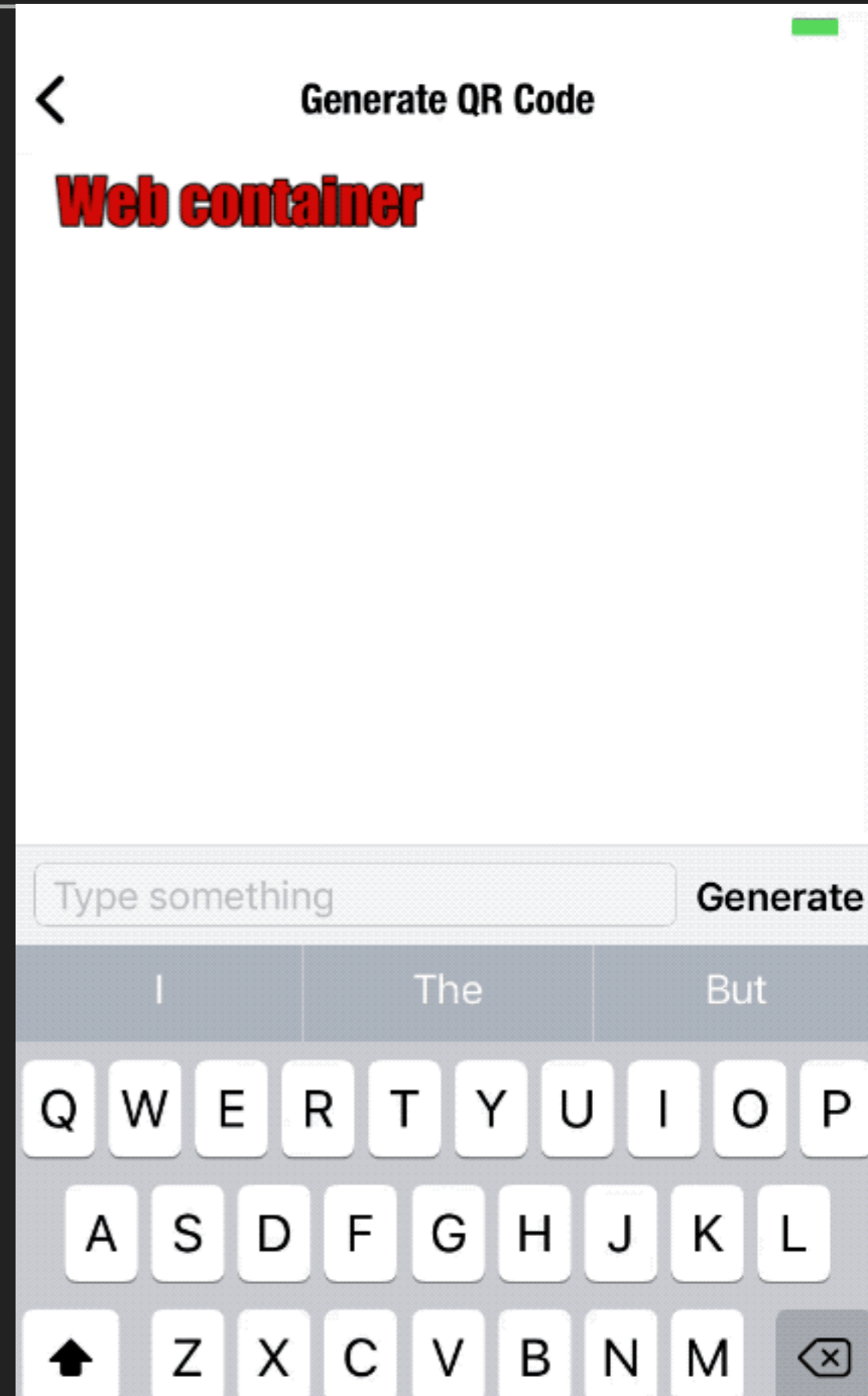


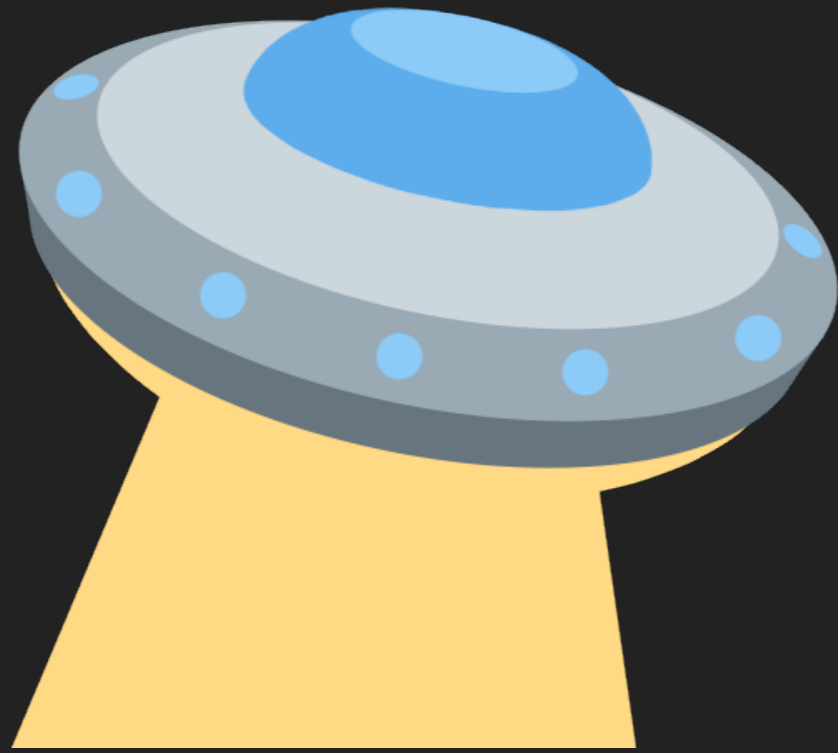
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# WEBVIEW - NATIVE APP INTEGRATION

## WEBVIEW – NATIVE APP INTEGRATION

- ▶ Build **part-native**, **part-web** based apps
- ▶ **Avoid** Large Binary Size
- ▶ Use **Web** and **Native** Features
- ▶ Seamless **2-way communication** channel between the **web view** and **the app**





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**WHY JSON?**

## WHY JSON?

- ▶ Industry Standard, lightweight data-interchange format. Huge amount of programming languages and tools with support available.
- ▶ It is easy for humans to read and write. It is easy for machines to parse and generate.
- ▶ A single plain text file can contain all the data and logic needed in a complete **native app**.
- ▶ You can use any backend to generate the app. Example: Express, SailsJS, **Laravel**, **Rails**, Flask, Django, Masonite, ProcessWire, AWS Lambda.

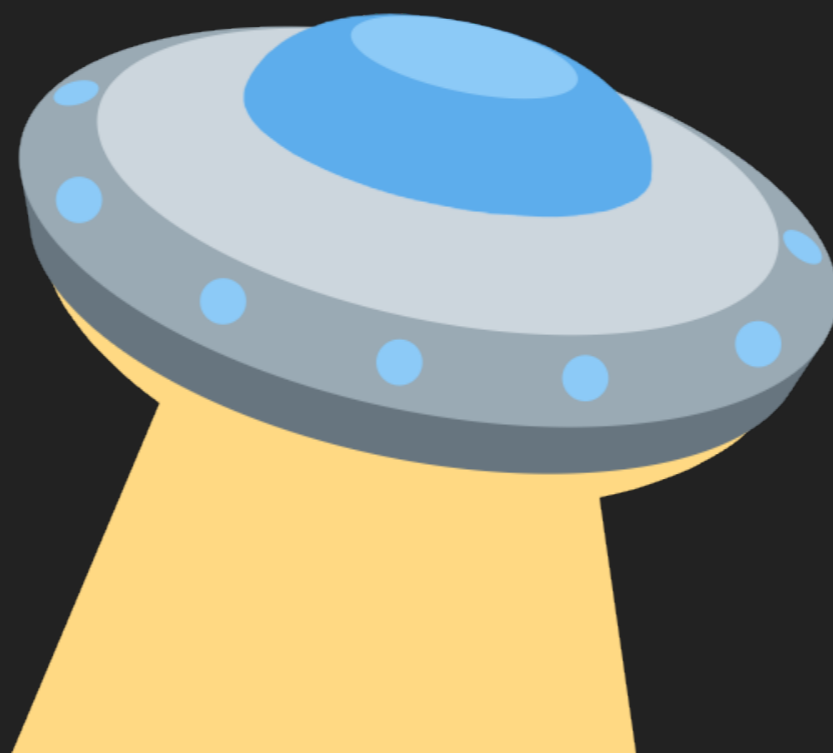
# JAY - JSX TO JSON

<https://github.com/jasonelle/jay>

```
1 <Jason>
2   <Head title="My App" description="Hello" icon="file://icon.png">
3     <Styles>
4       <Style className="my_style" font="Verdana"/>
5     </Styles>
6   </Head>
7 </Jason>
```



```
1 {
2   "$jason": {
3     "head": {
4       "icon": "file://icon.png",
5       "description": "Hello",
6       "title": "My App",
7       "styles": {
8         "my_style": {
9           "font": "Verdana"
10        }
11      }
12    }
13  }
14 }
```



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**DEMO TIME**