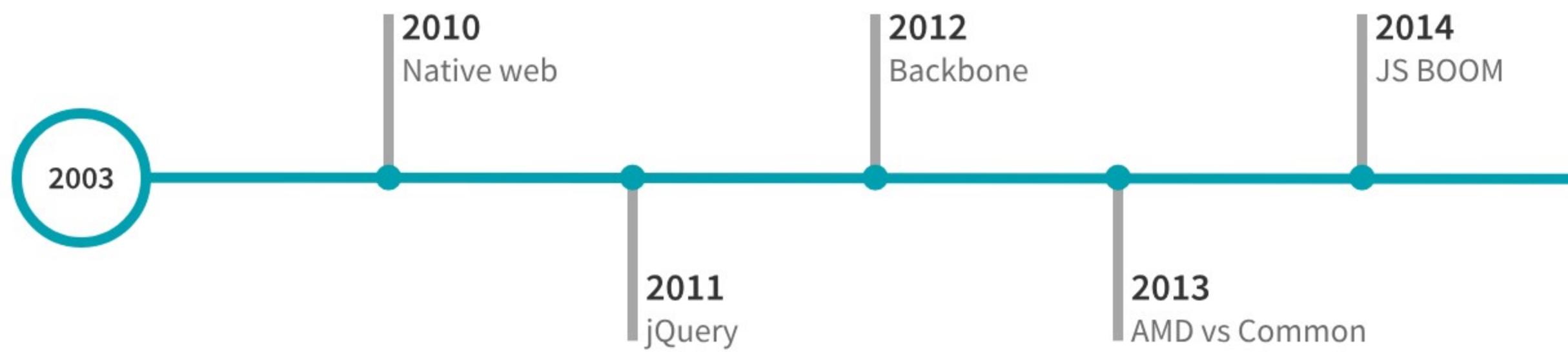
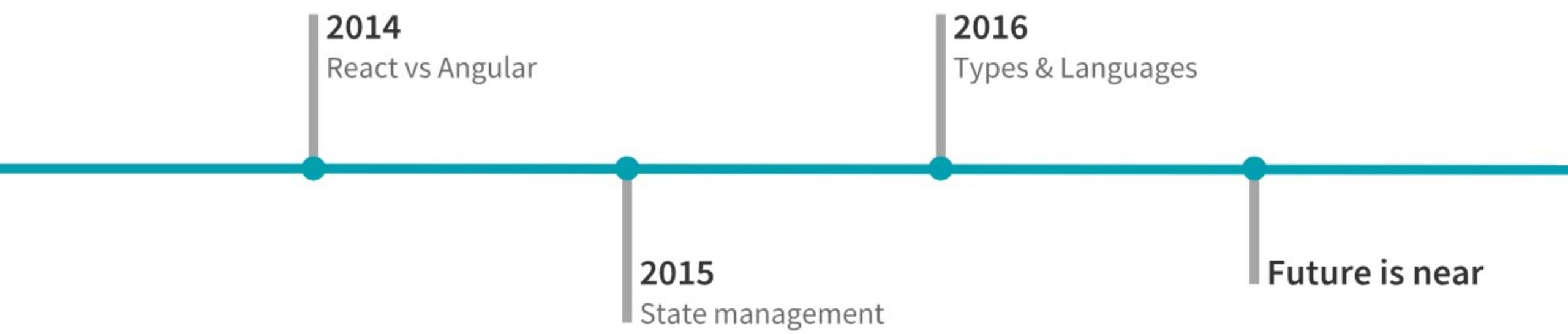


Javascript Evolution





2004





```
<marquee behavior="alternate" direction="left" bgcolor="#ffcc00">  
    Lorem ipsum dolor sit amet...  
</marquee>
```



```
function postToIframe(url, data, target) {
    var transport = getOrCreateForm();
    transport.action = url;
    transport.target = target;

    var html = [];
    for (var key in data) {
        html.push(
            "<input type='hidden' name=\"" + key + "\" value='" + data[key] + "'>"
        );
    }
    transport.innerHTML = html.join("");
    transport.submit();
}
```



```
function iframeGet(url, onSuccess) {
    var iframeName = Math.random();
    var iframe = createIframe(iframeName, url);

    CallbackRegistry[iframeName] = function(data) {
        onSuccess(data);
    };

    iframe.onload = function() {
        iframe.parentNode.removeChild(iframe);
        delete CallbackRegistry[iframeName];
    };
}
```



2010





```
function bindEvent(element, eventName, eventHandler) {  
    if (element.addEventListener) {  
        element.addEventListener(eventName, eventHandler, false);  
    } else if (element.attachEvent) {  
        element.attachEvent("on" + eventName, eventHandler);  
    }  
}  
bindEvent(window, "resize", function() {  
    var card = getElementByClassName("card");  
    var scores = getElementByClassName("scores");  
    card.style.width = window.innerHeight;  
    scores.innerHTML = getScores();  
});
```



ES3

Equality sign

Scoping

Type conversion

2011





```
function getScores() {
  var scores = "";
  for (var i in scores) {
    if (scores.hasOwnProperty(i)) {
      scores += '</img>';
    }
  }
  return scores;
}

var scores = getScores();
(function(scores) {
  $(window).resize(function() {
    $(".card").css("width", window.innerWidth);
    $(".card>.scores").html(scores);
  });
})(scores);
```

- Security issues
- Manual bundle
- No modules
- No refactoring
- No package management

2012





```
Views.Card = Marionette.BossView.extend({
  template: template,
  subViews: {
    scoreView: function() {
      return Views.ScoreCollection({
        collection: this.model.get("scores")
      });
    }
  },
  modelEvents: {
    "change:size": "onSizeChange"
  },
  onSizeChange: function(width) {
    this.view.$.css("width", width);
    App.vent.trigger("change:size:track", width);
  }
});
```

Manual subscriptions

Lots of boilerplate

Inconsistent templates

2013



ОТСТАЛИ
ПОЕЗДА
ПОМОГИТЕ КТО ЧЕМ
МОЖЕТ!!!



```
define( ["project/views/cards/score/score_collection"], function(  
  ScoreCollection  
) {  
  return Marionette.BossView.extend({});  
};  
  
var ScoreCollection = require("project/views/cards/score/score_collection");  
module.exports = Marionette.BossView.extend({});
```

Installs Stuff

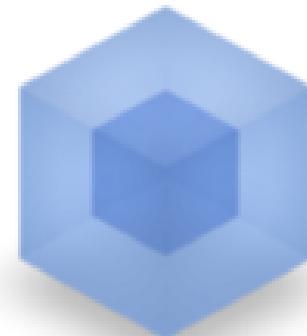


BOWER



YEOMAN

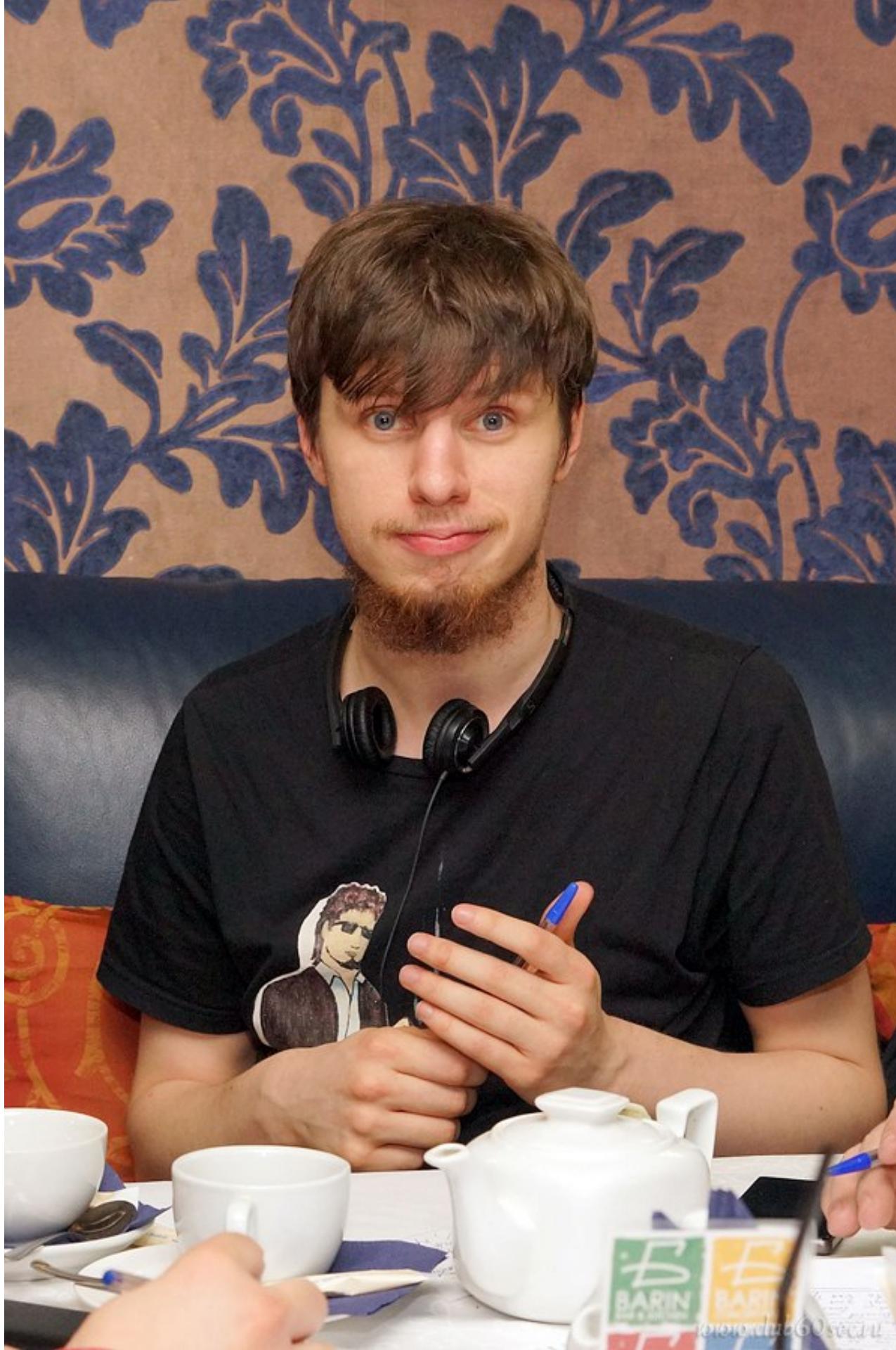
Does Stuff

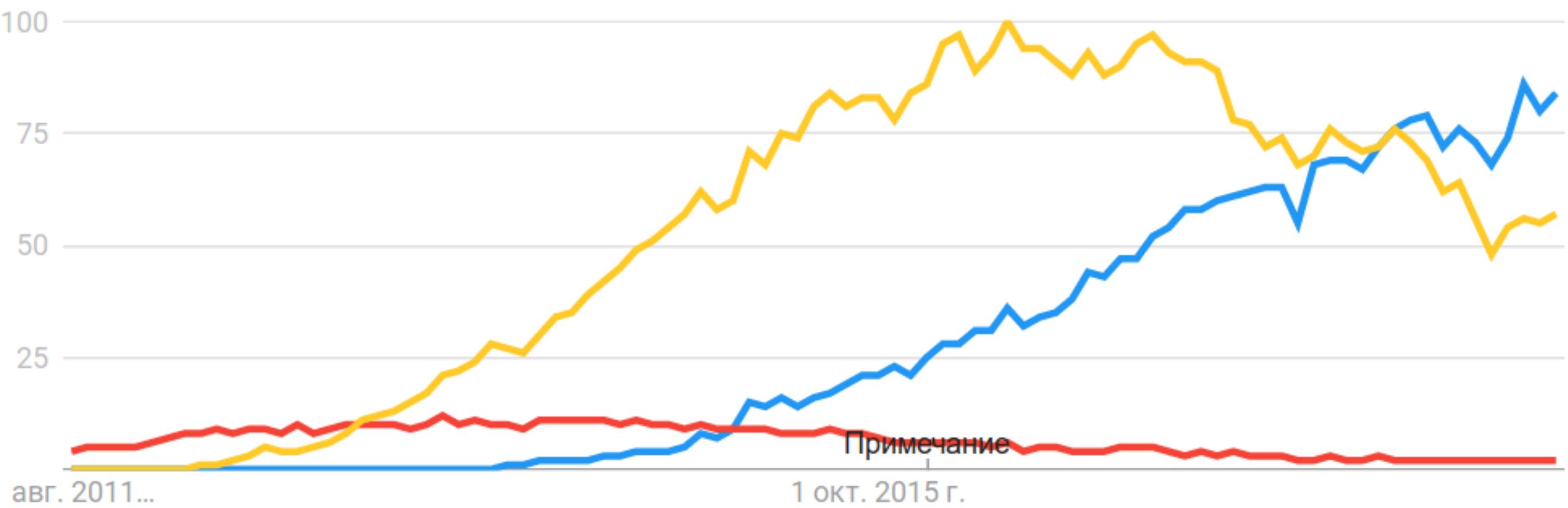


webpack
MODULE BUNDLER



2014







```
var ReactDOM = require('react-dom');
var Marquee = require('react-marquee');

ReactDOM.render( <Marquee text="long text here" /> , document.body);
```

2015



Redux vs Mobx

2016



Dart TS

Future is near



Web Assembly

Canvas rendering

Optimizing compilers

Thanks to everyone