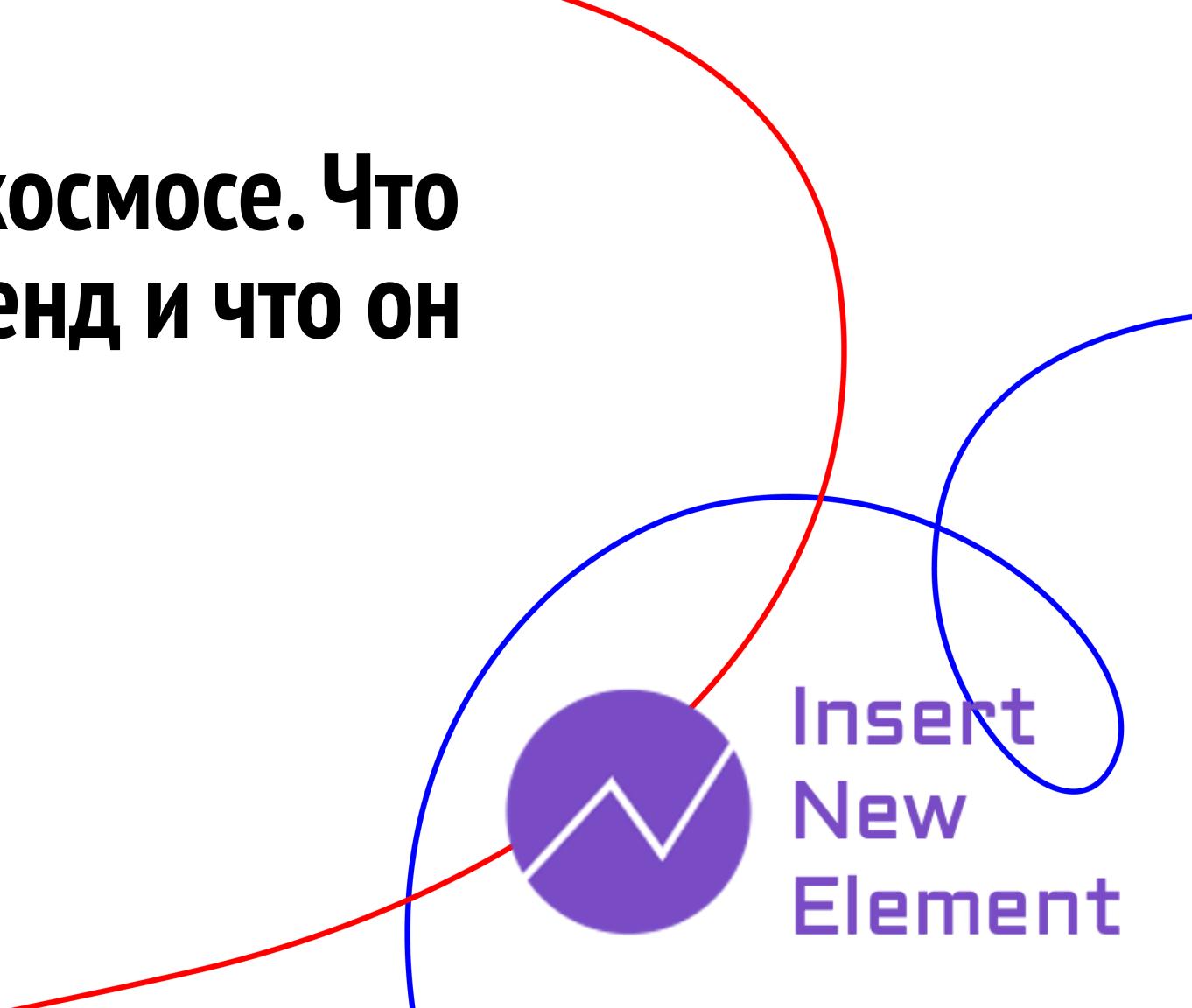


JavaScript в космосе. Что такое фронтенд и что он умеет

Алексей Авдеев, Mish

mish







Aleksei Avdeev
@avdeev_alexey

...

Коллеги, мы пообещали, поэтому вы должны успеть

12:29 PM · 13 сент. 2022 г.

40 ретвитов

11 твитов с цитатами

454 отметки «Нравится»

mish X



Insert
New
Element

СБЕР

3

FC FrontendConf 2022 - Професс +

frontendconf.ru/moscow/2022

Программный комитет



Глеб Михеев
Skillbox



Виктор Русакович
GP Solutions



Саша Шинкевич
Bravado



Иван Ботанов
Тинькофф



Серёжа Попов
Skillbox



Зар Захаров
VK



Андрей Смирнов
X5 Group



Алексей Авдеев
Mish

JavaScript-фреймворк React.js

go.skillbox.ru/education/course/react-js

12. Формы на примере комментариев и карточки поста

JavaScript-фреймворк React.js

С финальной работой

33/80 видео

0/15 практических работ

0/1 тест

Телеграм-чат курса

Задать вопросы по темам курса вы можете в [Telegram-чате курса](#).

12.1 Экскурс в формы. Проблематика форм React

10 мин.

12.2 Состояние полей. Различные подходы

9 мин.

12.3 Пара слов о библиотеках, и почему...

6 мин.

12.4 Сохраняем состояние формы и валидируем поля

13 мин.

12.5 Смотрим на форму с точки зрения доступности

13 мин.

12.6 Практическая работа

13. «Бесконечные» списки на примере ленты постов

14. Роутинг

15. Deploy

?

A close-up portrait of a young man with light brown hair and blue eyes, looking directly at the camera with a slight smile. He is wearing a white t-shirt. The background is blurred, showing what appears to be an office environment.

JSON API — работаем по спецификации

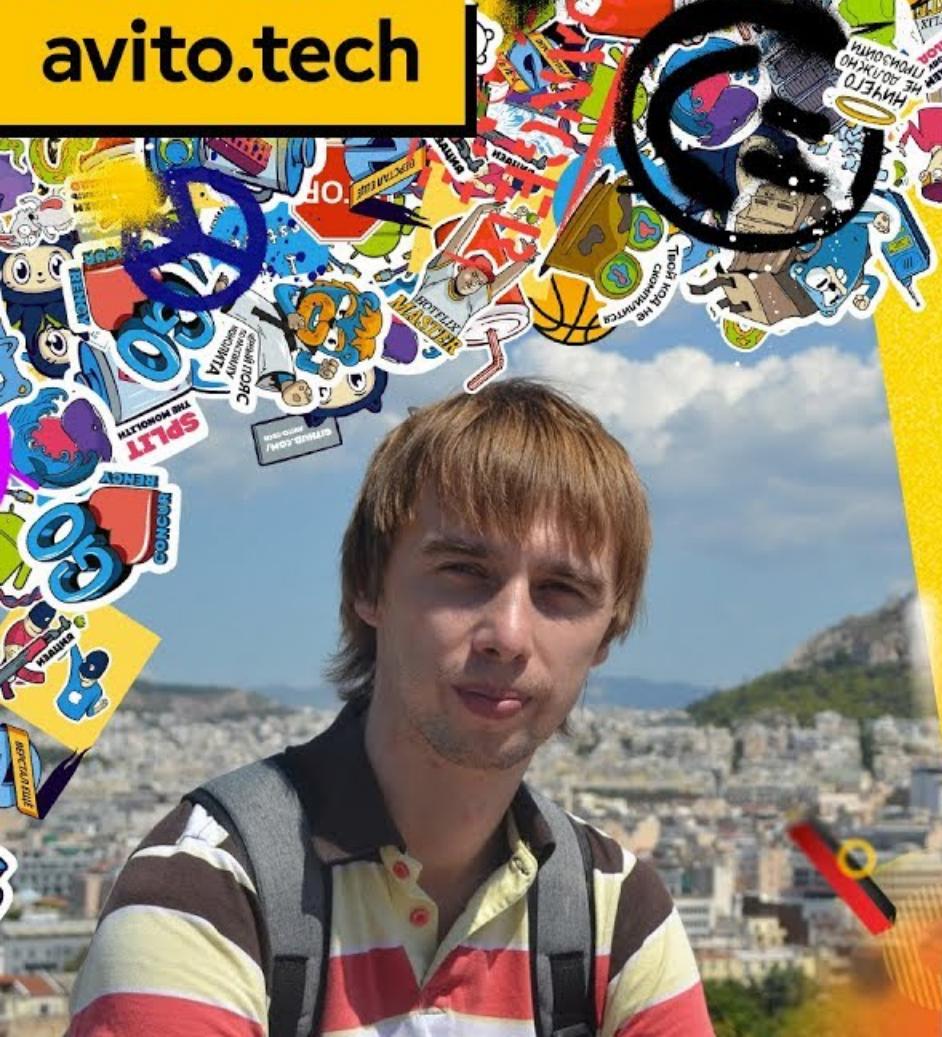
Алексей Авдеев,
Neuron.Digital

FC

Frontend
Conf
Moscow 2018



avito.tech



**Docker для
фронтендера**
Алексей Авдеев
(Neuron.Digital)



FC Frontend
Conf 2019



ПРОГРАММИСТЫ VS УЧИТЕЛЯ ИНФОРМАТИКИ



Задачи СТО

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СБЕР



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10



NCSA Mosaic Home Page - NCSA Mosaic

File Edit Source Manager View Navigate Tools Hotlists Help

Home Pages

http://www.ncsa.uiuc.edu/SDG/Software/Mosaic/

N C S A

M O S A I C

X Window System • Microsoft Windows • Macintosh

Welcome to NCSA Mosaic, an Internet information browser and [World Wide Web](#) client. NCSA Mosaic was developed at the [National Center for Supercomputing Applications](#) at the [University of Illinois](#) in Urbana-Champaign. NCSA Mosaic software is [copyrighted](#) by The Board of Trustees of the University of Illinois (UI), and ownership remains with the UI.

Jan '97

The Software Development Group at NCSA has worked on NCSA Mosaic for nearly four years and we've learned a lot in the process. We are honored that we were able to help bring this technology to the masses and appreciated all the support and feedback we have received in return. However, the time has come for us to concentrate our limited resources in other areas of interest and development on Mosaic is complete.

All information about the Mosaic project is available from the homepages.

NCSA Mosaic Platforms:

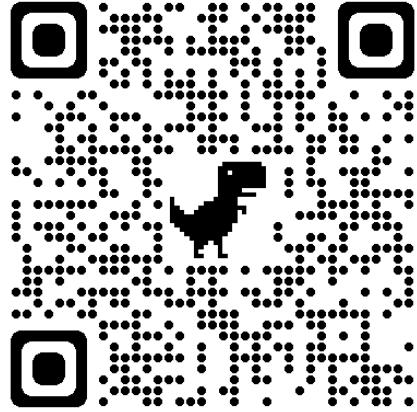
- [NCSA Mosaic for the X Window System](#)
- [NCSA Mosaic for the Apple Macintosh](#)
- [NCSA Mosaic for Microsoft Windows](#)

Special Notices

- NCSA's [VRML](#) home page
- [Non-Commercial Use of NCSA Mosaic Source Code](#)
- Commercial licensing of Mosaic technology with [Spyglass, Inc.](#)

NCSA Mosaic Photo CD Metasearch

Thu 3/16/00 1:45:18pm



caniuse.com

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Element



12

Что можно сделать?

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СБЕР

13

Веб-сайт

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СБЕР

Слайды для выступления

mish X



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Мобильное приложение

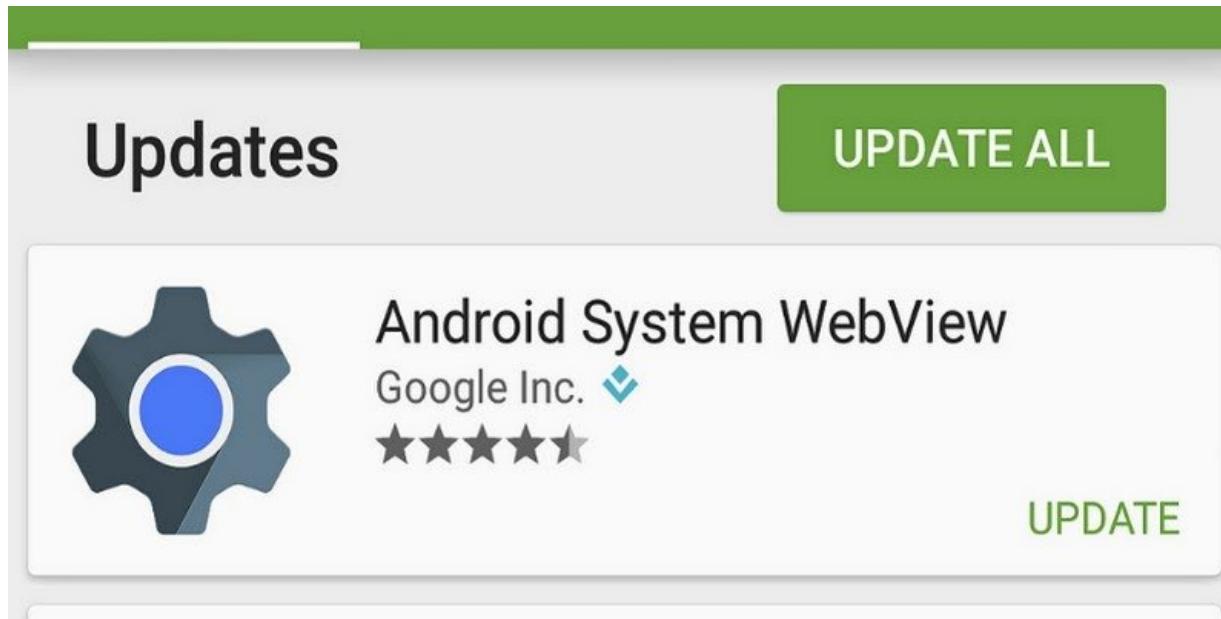
mish X



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СБЕР



mish X



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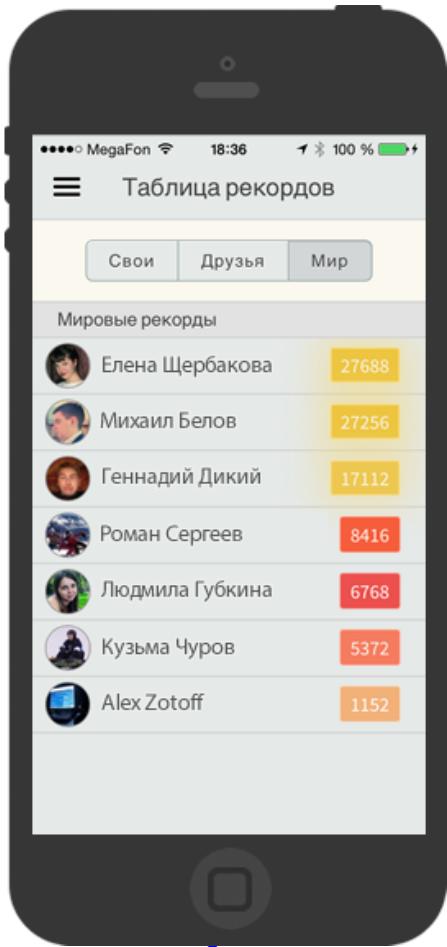
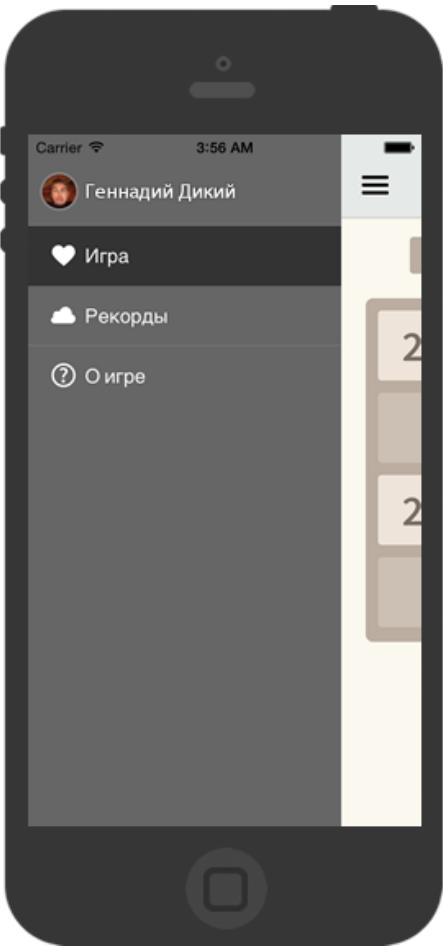
СБЕР

Native App with a WebView



Web App





Progressive web app

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СБЕР

(PWA)

20

PWA

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СБЕР



whatpwacando.today

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Element



Trusted web activity (TWA)

mish X



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Element



СБЕР



pwabuilder.com

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Element



Бэкенд

mish X



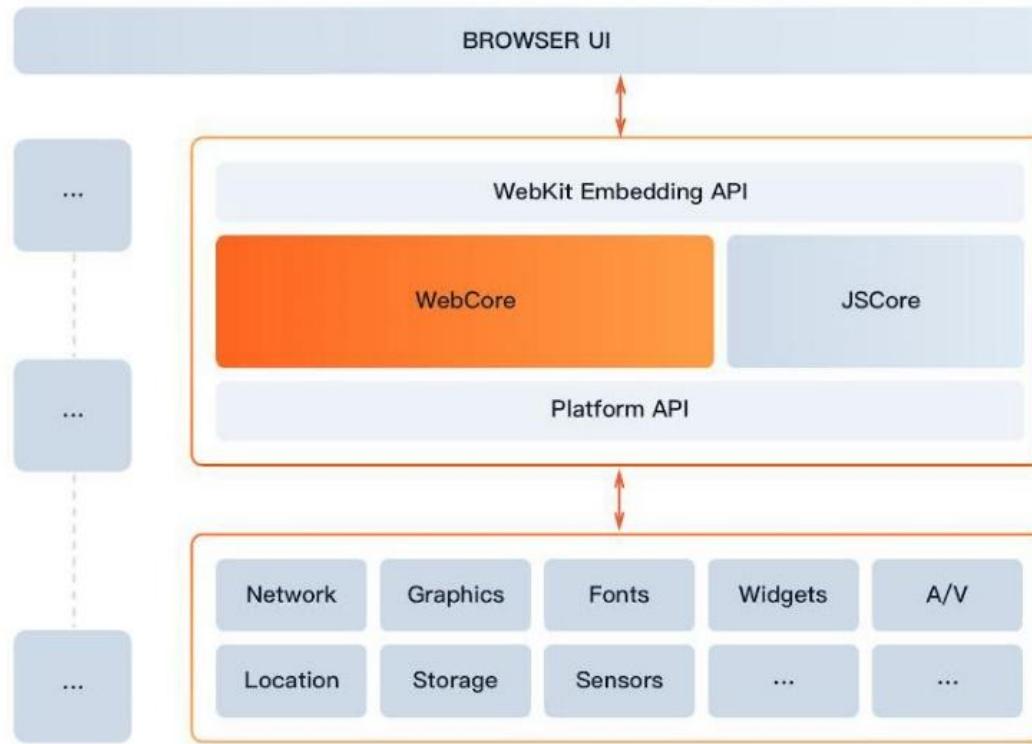
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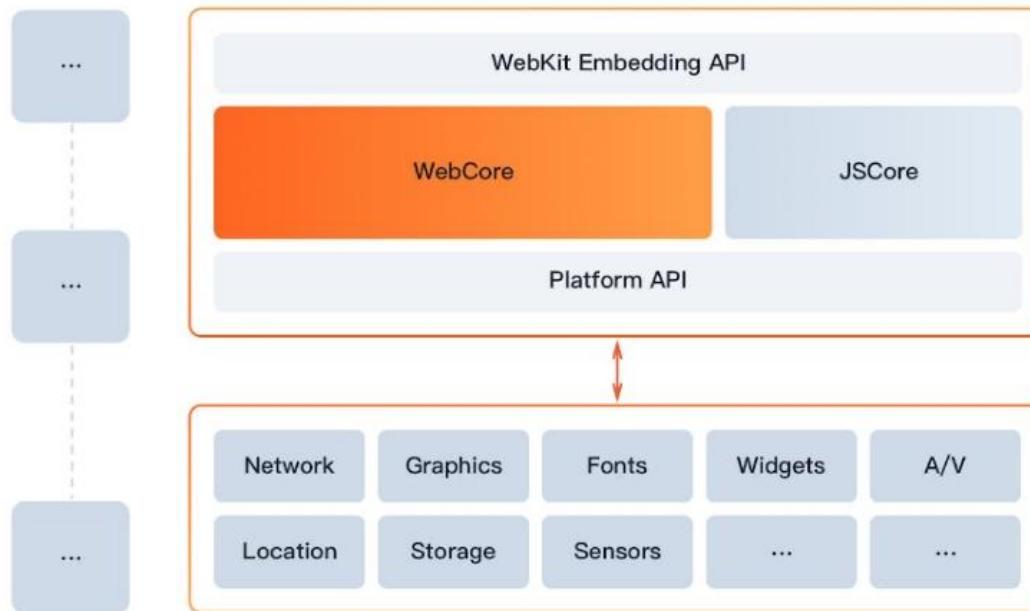
СБЕР

25

Обычный браузер



Безголовый браузер



Десктоп

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Element



СБЕР

The screenshot shows the Microsoft Visual Studio Code (Code - Insiders) interface on a Mac OS X system. The title bar includes the application name, file menu, selection, view, go, run, terminal, window, help, and various system status icons. The current file is `main.ts`, indicated by the tab and the status bar. The code editor displays a TypeScript file with the following content:

```
apps > devapp > src > TS main.ts > ...
1 import { enableProdMode } from '@angular/core';
2 import { platformBrowserDynamic } from '@angular/platform-browser-dynamic';
3
4 import { AppModule } from './app/app.module';
5 import { environment } from './environments/environment';
6
7 if (environment.production) {
8   enableProdMode();
9 }
10 You, 4 years ago • Добавил микроапп для тестирования
11 platformBrowserDynamic().bootstrapModule(AppModule)
12   .catch(err => console.log(err));
13
```

The sidebar on the left contains icons for file, search, replace, and other development tools. A status bar at the bottom right shows a gear icon with a '1' and a small preview window.

A screenshot of the Microsoft Edge browser displaying the Visual Studio Code interface. The browser's top bar includes standard icons for file operations, selection, view, go, run, terminal, window, help, and system controls. The main content area shows a code editor with a file named `main.ts` containing TypeScript code for an Angular application. A context menu is open over the code, with the "Help" option selected. The "Help" menu contains links to "Get Started", "Show All Commands", "Documentation", "Editor Playground", "Release Notes", "Keyboard Shortcuts Reference", "Video Tutorials", "Tips and Tricks", "Join Us on Twitter", "Search Feature Requests", "Report Issue", "View License", "Privacy Statement", and "Toggle Developer Tools". The "Toggle Developer Tools" option is highlighted with a blue box. The bottom right corner of the browser window shows the date and time as "Tue 00:50".

```
ts main.ts  X
apps > devapp > src > TS main.ts > ...
1 import { enableProdMode } from '@angular/core';
2 import { platformBrowserDynamic } from '@angular/platform-browser-dynamic';
3
4 import { AppModule } from './app/app.module';
5 import { environment } from './environment';
6
7 if (environment.production) {
8   enableProdMode();
9 }
10 You, 4 years ago • Добавил
11 platformBrowserDynamic().bootstrapModule(AppModule)
12   .catch(err => console.log(err));
13
```

Code - Insiders File Edit Selection View Go Run Terminal Window Help Tue 00:51

main.ts — svo

TS main.ts X

apps > devapp > src > TS main.ts > ...

```
1 import { enableProdMode } from '@angular/core';
2 import { platformBrowserDynamic } from '@angular/platform-browser-dynamic';
3
4 import { AppModule } from './app/app.module';
5 import { environment } from './environment';
6
7 if (environment.production) {
8   enableProdMode();
9 }
10 You, 4 years ago • Добавил микр...
11 platformBrowserDynamic().bootstrapModule(AppModule)
12 .catch(err => console.log(err));
13
```

Elements Console Sources Network

llbar horizontal fade" style="position: absolute; width: 404px; height: 12px; left: 0px; bottom: 0px;">...

html body.mac

Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility

Filter :hov .cls +

```
element.style {} workbench.d...main.css:3
.mac {
  --monaco-monospace-font: "SF Mono",Monaco,Menlo,Courier,monospace;
}
.mac {
  font-family: -apple-system,BlinkMacSystemFont,sans-serif;
}
body {
  height: 100%;
  width: 100%;
  margin: 0;
  padding: 0;
  overflow: hidden;
  font-size: 11px;
  user-select: none;
  -webkit-user-select: none;
}
```

Console

Default levels ▾ 1 Issue: F 1

extension host message (loading...) didn't get externalized CONSOLE.LS:157 correctly.

(at console.<anonymous> (/Applications/Visual Studio Code - Insiders.app/Contents/Resources/app/out/vs/workbench/api/node/extensionHostProcess.js:85:94315))

DevTools failed to load source map: Could not load content for https://ticino.blob.core.windows.net/sourcemaps/9925e5d....006828/node_modules/@vscode/vscode-languagedetection/dist/lib/index.js.map: Fetch through target failed: Target not supported; Fallback: Unknown error

Code - Insiders File Edit Selection View Go Run Terminal Window Help

main.ts — svo

TS main.ts X

apps > devapp > src > TS main.ts > ...

```
1 import { enableProdMode } from '@angular/core';
2 import { platformBrowserDynamic } from '@angular/platform-browser-dynamic';
3
4 import './app/app.module';
5 import './environment';
6
7 if (process.env.NODE_ENV === 'production') {
8   enableProdMode();
9 }
10
11 platformBrowserDynamic().bootstrapModule(AppModule)
12   .catch(err => console.log(err));
13
```

span.mtk15 151.72 x 20.83

Color #DCDCAA

Font 18px Menlo, Monaco, "Courier New", monospace

ACCESSIBILITY

Contrast Aa 11.79

Name

Role generic

Keyboard-focusable

10 You, 4 years ago • Добавил микрорамку

platformBrowserDynamic().bootstrapModule(AppModule)

.catch(err => console.log(err));

Elements Console Sources Network

px; class="view-line">

enableProdMode

html body.mac

Styles Computed Layout Event Listeners DOM Breakpoints Properties Accessibility

Filter

element.style {

}

.mac {

—monaco-monospace—font: "SF Mono",Monaco,Menlo,Courier,monospace;

}

.mac {

font-family: -apple-system,BlinkMacSystemFont,sans-serif;

}

body {

height: 100%;

width: 100%;

margin: 0;

padding: 0;

overflow: hidden;

font-size: 11px;

user-select: none;

-webkit-user-select: none;

Console

Default levels ▾ 1 Issue: F 1

EXTENSION MUST message (loading...) didn't get externalized correctly.

(at console.<anonymous> (/Applications/Visual Studio Code - Insiders.app/Contents/Resources/app/out/vs/workbench/api/node/extensionHostProcess.js:85:94315))

DevTools failed to load source map: Could not load content for https://ticino.blob.core.windows.net/sourcemaps/9925e5d...006828/node_modules/@vscode/vscode-languagedetection/dist/lib/index.js.map: Fetch through target failed: Target not supported; Fallback: Unknown error

Игра

mish X



Insert
New
Element



33

Using 8/8/8 Color bits, 24 depth, 8 stencil display.
Display supports any resolution
GL_RENDERER: WebKit WebGL

Free For All

Waiting for Players

50
10
5
10
50
5
50
5

30
0

50



100

100

Oups



quakejs.com

mish X



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VR / AR

mish X

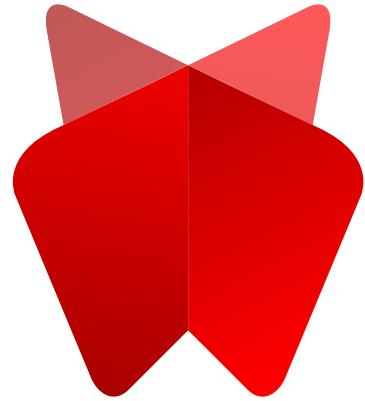


Insert
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Element



СБЕР

36



WebXR

mish X



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immersiveweb.dev

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Element



Банкомат

mish X



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СБЕР



27 и 28 мая
Москва, Сколково

Разработка UI для банкоматов

Дима Королев (Tinkoff.ru)



Frontend
Conf 2019

Профессиональная
конференция
фронтенд-разработчиков



Касса

mish X



Insert
New
Element



СБЕР

42

avito.tech

Додо Пицца: собственная касса на веб-технологиях

Борис Гулай
(Додо Пицца)

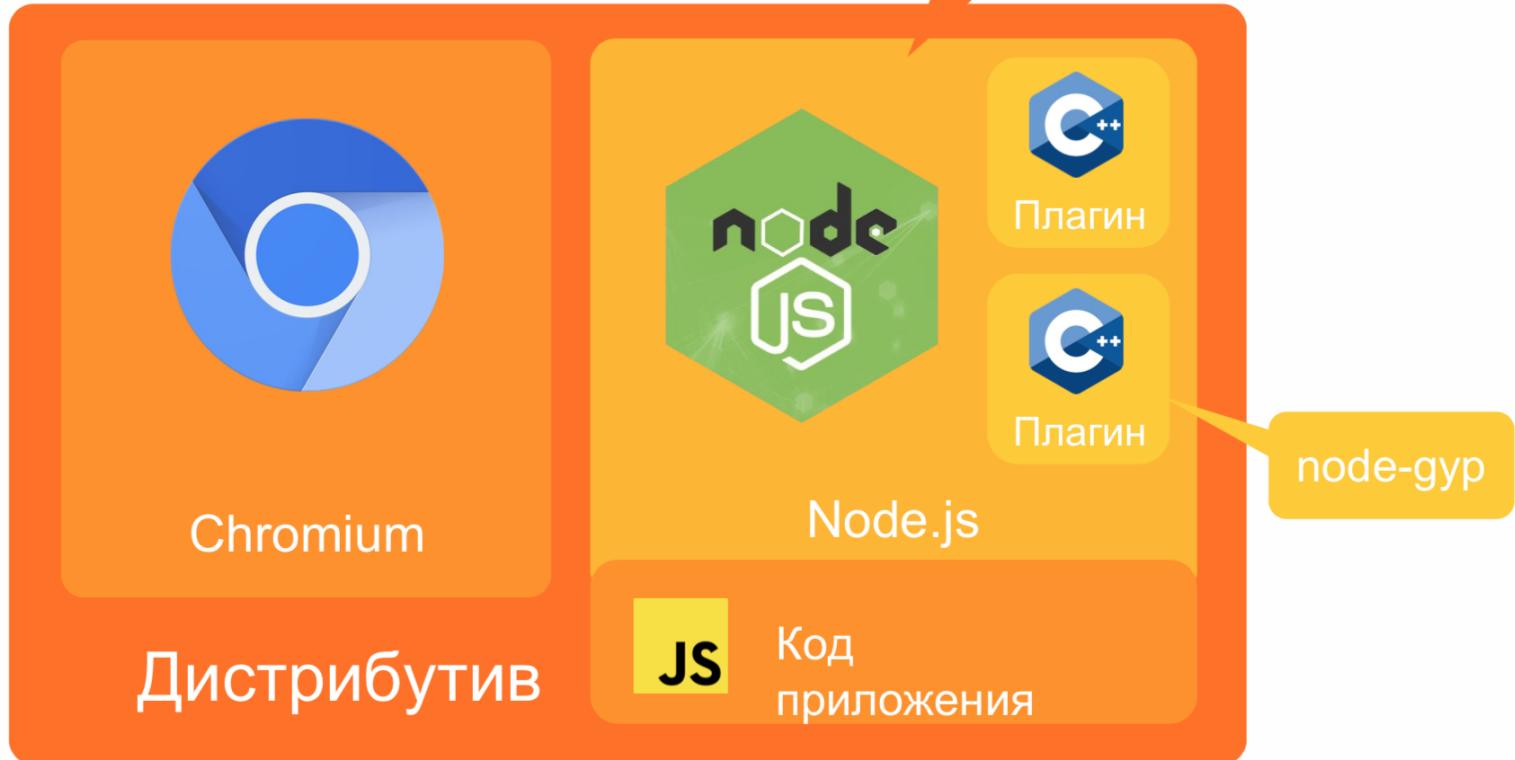


Frontend
Conf 2019

Оборудование на кассе



Сборка



Умные устройства

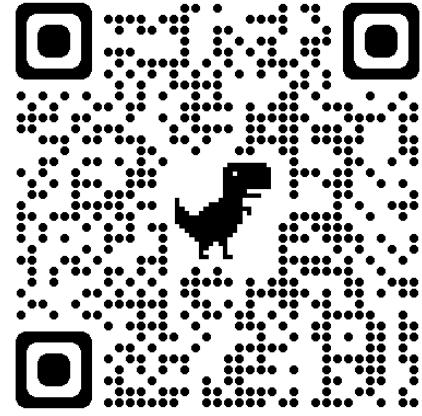
mish X



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СБЕР



plasma.sberdevices.ru

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Операционная система

mish X



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СБЕР

Web App

Web Site

Extension

Window Manager

Chromium

X + Graphics Libraries

System Libraries

Linux Kernel

Customized Firmware

Hardware



+ New desk

Test

Tab 2

Chrome - Photos - Google Photos

photos.google.com

Today Tuesday

May 25

1 item uploaded

Add to album Shared album

X Settings - Bluetooth

Settings

Search settings

Network

Bluetooth

Connected devices

People

Device

Personalization

Search and Assistant

Apps

Linux (Beta)

Advanced

About Chrome OS

Bluetooth

off

X Files - Downloads

My files > Downloads

Name	Size	Type	Date modified
Chrome OS 83 update.png	60 KB	PNG image	Today 1:00 PM
Screenshot 2020-05-28 at 12.51.56...	1.4 MB	PNG image	Today 12:51 PM
Screenshot 2020-05-28 at 11.08.43...	271 KB	PNG image	Today 11:08 AM
embedded-tweets.html	287 bytes	HTML doc...	Yesterday 10:13...
index.html	534 bytes	HTML doc...	Yesterday 10:05...
json.json	466 bytes	JSON file	Yesterday 9:51 PM
hugo_0.71.0_Linux-64bit.deb	13 MB	DEB file	May 24, 2020, 3:...
headshot.jpeg	30 KB	JPEG image	May 24, 2020, 1:...
exoicert.txt	4 KB	Plain text	Mar 3, 2020, 10:...



1:04



Интерфейс космического

mish X



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New
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СБЕР

корабль



Jason Mayes
@jason_mayes

...

So **#JS** made it into space! **#SpaceX** uses **#Chromium** + **#JavaScript** for the Dragon 2 flight interface along with C++ for flight computers. JavaScript is not a toy folk, time to accept it. **#NASA** **@BrendanEich** space.stackexchange.com/questions/9243...

[Перевести твит](#)



Да здравствует веб-платформа!

👏 Спасибо!

- 🧑 Алексей Авдеев
- 🌐 github.com/avdeev
- 🌐 twitter.com/avdeev_alexey
- 🌐 vk.com/alexey.avdeev
- 🌐 Продуктовая лаборатория [Mish](#)

