

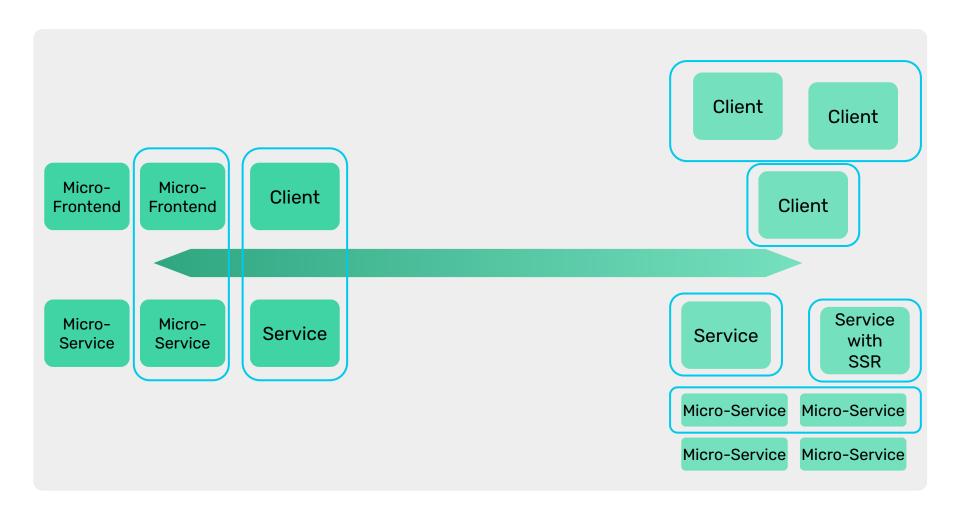
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Swapping your brain



Typescript

Kotlin

```
string
                                 String
interface {
                                 data class(
    name: string;
                                 val name: String,
... }
                                 ...)
list.map(each ⇒ each * 2)
                           list.map{it * 2}
                                 enum class
enum
it("should test", () \Rightarrow {
                                 @Test
... });
                                 fun `should test` () {
                                 ... }
```

All libraries and tools



Looking for Full Stack Alternatives



maybe not approved personally, I don't like JS



Fable

Kotlin

rare language

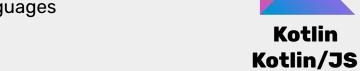


Clojure

ClojureScript

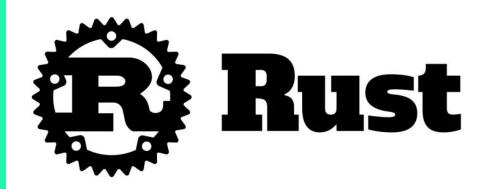
even more rare

personally, don't like dynamically typed languages



support is not great build tools not totally integrated

Enter: Rust



run anywhere









What is WebAssembly?

binary format for a virtual machine

no object orientation no garbage collection

much faster than JavaScript

no direct access to the DOM

there is a standard bridge

build tool and dev server: Trunk



Enough talk!

Let's see some code!

Project Examples: The TODO App!





Rocket and Yew

A backend and a frontend project, share some code

rocket.rs yew.rs



Dioxus Fullstack

Multi platform component library for the web, the desktop and mobile

dioxuslabs.com

To Wrap Up

11 It really works!

Maturity is a spectrum

(i) Give it some time





Would I recommend?

Well, it depends ...





https://github.com/goetz-markgraf/rust-fullstack

@codecentric

Creating the digital future together.

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