Building Wasp, an Open-Source Web Fra, me, work?

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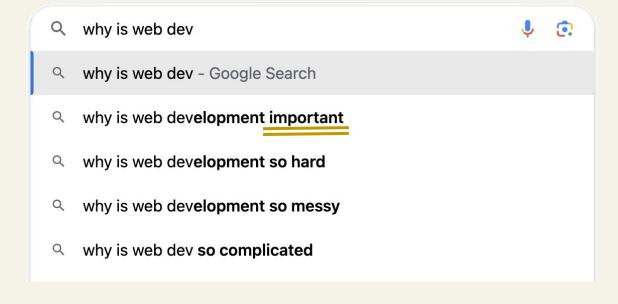


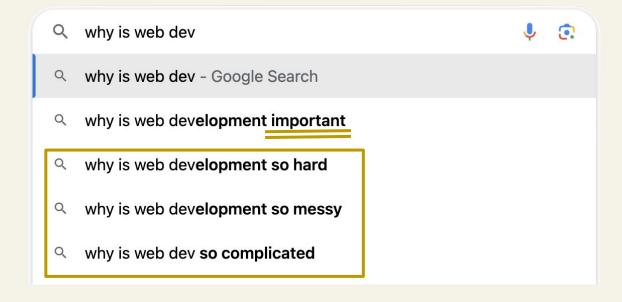
(Built by a startup)

(Built by a startup)

(Built by a startup)







The power of DSLs

```
SELECT *
  FROM Customer
WHERE Age > 25;
```

```
function HelloMessage({ name }) {
  return <div>Hello {name}</div>;
}
```

Language

Specific Language

Domain Specific Language

Domain Specific Language

Domain Specific Language











Ok... but do you really need a new language?

(CACM Cover, Jan 1961)



PROGRAMMING LANGUAGES: History and **Fundamentals** JEAN E. SAMMET

116.97.107.61 123.16.225.110 13.50.243.227 134.209.213.5

```
import sys
def extract_ip_addresses():
    ip_addresses = list()
    for line in sys.stdin:
        parts = line.split()
        for part in parts:
            octets = part.split('.')
            if len(octets) < 4:
                continue;
            if all(o.isdigit() for o in octets[:4]):
                ip_addresses.append('.'.join(octets[:4]))
    return ip_addresses
for ip in extract_ip_addresses():
    print(ip)
```

@WaspLang

```
filip@xps-15 → ~/Projects/proxy-shennanigans
       cat dump | py ex2.py
       File "/home/filip/Projects/proxy-shennanigans/ex2.py", line 21
         for ip in ips:
                          expected an indepted block after !for! statement on line 21
     IndentationEr<del>rer.</del>
                      filip@xps-15 → ~/Projects/proxy-shennanigans
     filip@xps-15
       cat dump
                        cat dump | py ex2.py
                        File "/home/filip/Projects/proxy-shennanigans/ex2.py", line 22
                          for ip in ips:
                     IndentationError: expected an indented block after 'for' statement on line 22
filip@xps-15 → ~/Project filip@xps-15 → ~/Projects/proxy-shennanigans
 cat dump | py ex2.py | nvim ex2.py
 File "/home/filip/Pro
                                                                               File "/home/filip/Projects/proxy-shennanigans/ex2.py", line 20, in <module>
   for ip in ips = extract ip addresses(file path):
                                                                                ips = extract_ip_addresses(file_path)
SyntaxError: invalid syntax
                                                                               File "/home/filip/Projects/proxy-shennanigans/ex2.py", line 13, in extract ip addresses
filip@xps-15 → ~/Projects/proxy-shennanigans
                                                                                if all(o.isdigit() for o in octet):
                 filip@xps-15 → ~/Projects/proxy-shennanigans
                                                                                                      ned. Did you mean: 'octets'?
                  > cat dump | py ex2.py
                 Traceback (most recent call last):
                   File "/home/filip/Projects/proxy-shennanigans/ex2.py", line 18, in <module>
                     for ip in extract ip addresses(file path):
                 NameError: name 'file path' is not defined
                  filip@xps-15 → ~/Projects/proxy-shennanigans
                   nvim ex2.py
                                                                                                      igans/ex2.py", line 18, in <module>
 filip@xps-15 → ~/Projects/proxy-shennanigans
                                                                  ips = extract ip addresses(file path)
                                                                        ^^^^^
   cat dump | py ex2.py
                                                                File "/home/filip/Projects/proxy-shennanigans/ex2.py", line 4, in extract ip address
 Traceback (most recent call last):
                                                                  for line in sys.stdin:
   File "/home/filip/Projects/proxy-shennanigans/ex2.py
     import sys.stdin
                                                               NameError: name 'sys' is not defined. Did you forget to import 'sys'?
 ModuleNotFoundError: No module named 'sys.stdin'; 'sys<mark>filip@xps-15 → ~/Projects/proxy-shennanigans</mark>
 filip@xps-15 → ~/Projects/proxy-shennanigans
                                                                cat dump | py ex2.py
   cat dump | py ex2.py
                                                                                                                      @WaspLang
```

```
/[\w._%+-]@[\w.-]+\.[a-zA-Z]{2,4}/
filip @ wasp . sh
```

```
• • •
function validateEmail(email) {
    var atSplit = email.split("@");
    if (atSplit.length !== 2 || atSplit[0].length === 0
        || atSplit[1].length === 0) {
        return false;
    var domainParts = atSplit[1].split(".");
    if(domainParts.length < 2) {</pre>
        return false;
    const tld = domainParts[domainParts.length - 1];
    if (tld.length < 2 || tld.length > 4) {
        return false;
    for(let i = 0; i < tld.length; i++) {</pre>
        let charCode = tld.charCodeAt(i);
        if(!(charCode > 64 && charCode < 91) &&</pre>
           !(charCode > 96 && charCode < 123)) {
            return false;
    return true;
```

/ \w._%

vinc

@WaspLang

[2,4]/

```
SELECT *
  FROM Customer
WHERE Age > 25;
```



```
function HelloMessage({ name }) {
  return <div>Hello {name}</div>;
}
```

```
function HelloMessage({ name }) {
  return React.createElement(
    "div",
    null,
    "Hello ",
    name
```

Why DSL #1:

Say what you want, not how...
... thanks to embedded knowledge.







Why DSL #2:

Good DSLs age really well.

Allow us to say what, not how

- Allow us to say what, not how
- Built-in knowledge and assumptions

- Allow us to say what, not how
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- Tied to the domain, not the implementation

- Allow us to say what, not how
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- If they're good, they age well

- Allow us to say what, not how
- Built-in knowledge and assumptions
- Tied to the domain, not the implementation
- If they're good, they age well
- For stuff that's easy to describe, but tedious to implement



Let's Plan an App

```
auth {
```

}

```
auth {
  methods: []
}
```

```
auth {
  methods: [
    usernameAndPassword,
    google
```

```
auth {
  methods: [
    usernameAndPassword,
    google
  userEntity: User
```

```
auth {
 methods:
   usernameAndPassword,
   google
  userEntity: User,
  onAuthSuccessRedirectTo: "/"
```

```
app Todo {
  title: "Tech City Pula TodoApp",
  db: PostgreSQL,
  auth: {
    methods: [google, github],
    entity: User
```

```
entity User {
  id:      Int,
    email: String
}
```

```
page Dashboard {
  route: "/",
  component: ???
}
```

```
page Dashboard {
   route: "/",
   component: "pages/Dashboard.jsx"
}
```

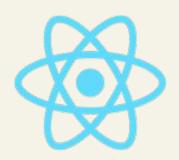
```
app Todo {
  title: "Tech City Pula ToDo App",
  db: Postgres,
  auth: {
    methods: [usernameAndPassword, google, github],
    entity: User
page Dashboard {
  route: "/",
  component: "pages/Dashboard.jsx"
entity User {
 id: Int,
 email: String
```

 $@{\sf WaspLang}$

This actually works!







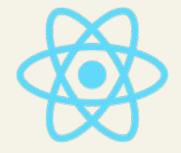














How

SSG

Serverless

SSR

CSR

Edge

What

"This is resource intensive"

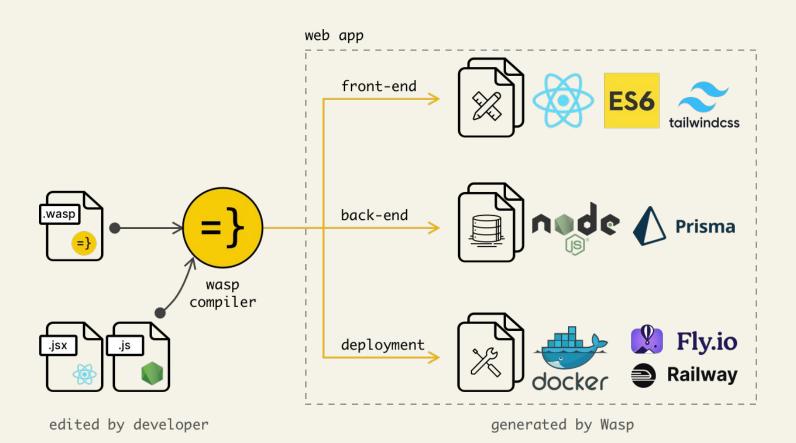
"This is a long running operation"

"Optimize for SEO"

```
auth: {
 methods: {
   usernameAndPassword: {},
   google: {},
   gitHub: {}
 onAuthFailedRedirectTo: "/login",
 userEntity: User,
```

```
import jwt from 'jsonwebtoken'
                                                                                        ⇒ □
import SecurePassword from 'secure-password'
import util from 'util'
import prisma from '../dbClient.js'
import { handleRejection } from '../utils.js'
import config from '../config.js'
const jwtSign = util.promisify(jwt.sign)
const jwtVerify = util.promisify(jwt.verify)
const JWT_SECRET = config.auth.jwtSecret
export const sign = (id, options) => jwtSign({ id }, JWT_SECRET, options)
export const verify = (token) => jwtVerify(token, JWT SECRET)
const auth = handleRejection(async (req, res, next) => {
  const authHeader = req.get('Authorization')
  if (!authHeader) {
    return next()
  if (authHeader.startsWith('Bearer')) {
    const token = authHeader.substring(7, authHeader.length)
    let userIdFromToken
    trv {
      userIdFromToken = (await verify(token)).id
    } catch (error) {
      if (['TokenExpiredError', 'JsonWebTokenError', 'NotBeforeError'].includes(error.name)) {
        return res.status(401).send()
      } else {
        throw error
    const user = await prisma.user.findUnique({ where: { id: userIdFromToken } })
    if (!user) {
      return res.status(401).send()
    const { password, ...userView } = user
    req.user = userView
  } else {
    return res.status(401).send()
  next()
```

})



@WaspLang





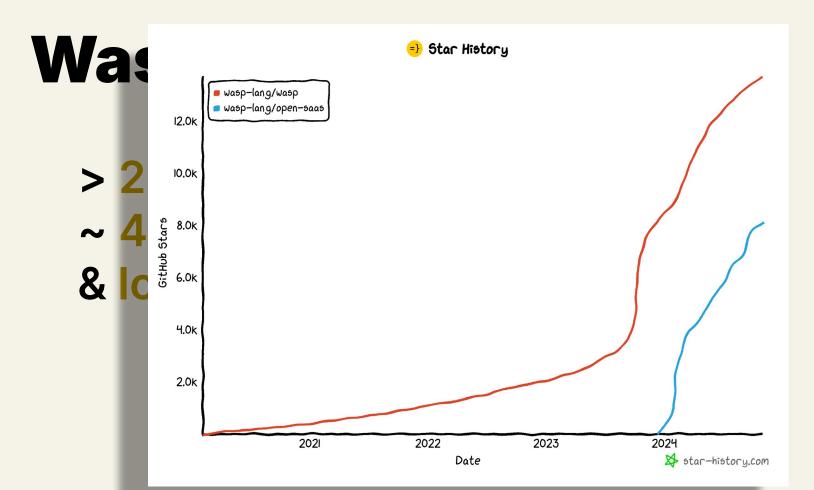




The Weird Startup World

Wasp

- > 21k GitHub stars
- ~ 50k apps created
- & lots of happy users





Samadhi 🍑 👓 Today at 02:55

Awesome, thank you guys for all the amazing work you've been doing on Wasp! It's been a game changer for me. I've used pretty much every major web technology over the last 7 years.

IMO Wasp is as game-changing for me as React has been many years back. Wasp's simplicity, and how well the DSL captures most full-stack engineering tasks is pure genius.

I believe Wasp will become the #1 web technology in just a couple years. It has everything that most web devs are looking for.



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full-stack engineering tasks is pure genius

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Hacktoberfes t

Update the database docs on seeding the production DB on Fly #1464



infomiho opened this issue on Oct 3, 2023 · 15 comments

```
220
221
       Check the [API Reference](#cli-commands-for-seeding-the-database) for more details on these commands.
222
223 +
224 + ## Seeding the Production Database on Fly.io
225 +
226 + To seed the production database on Fly.io, follow these steps:
227 +
228 + Certainly! Here's the information you provided in a formatted and organized manner for your GitHub
       documentation:
229 +
230 + ---
231 +
232 + ## Getting the DB Name and Password
233 +
234 + ### Retrieve the DB Name:
235 +
236 + To obtain the DB name, use the following command:
237 +
238 + ```bash
239 + fly postgres connect -a <app_name>
240 + ```
241 +
242 + Replace `<app_name>` with the name of your Wasp app. After connecting to the database, run:
243 +
244 + ```bash
245 + \1
246 + ***
247 +
248 + The DB name will be displayed in the list of databases.
249 +
250 + ### Retrieve the DB Password:
252 + To get the DB password, run the following command:
253 +
254 + ```bash
255 + fly ssh console -a <app_name>
256 + ```
258 + Once connected to the database server, execute:
259 +
260 + ```bash
```

@WaspLang

```
220
221
       Check the [API Reference](#cli-commands-for-seeding-the-database) for more details on these commands.
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256 + ```
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259 +
260 + ```bash
```

@WaspLang

Add monetization model to the FAQ section of the landing page #856

Edit



maksim36ua opened this issue on Nov 28, 2022 · 2 comments



maksim36ua commented on Nov 28, 2022

Contributor · · ·

Wasp's monetization model and cash flow are not clear enough. Users might have a suspicion that they would get a limited version of the framework. Or would have to pay at the late stage of the dev process.

Yeah. If you have a company with 6ppl and have backing from Y Combinator... I assume you need to get in 💍 somehow.

Understanding your monetization strategy would help for me and many more i would think. But you need to write more than free and open source

It's proposed to add an answer to this question in the FAQ section of the landing page.



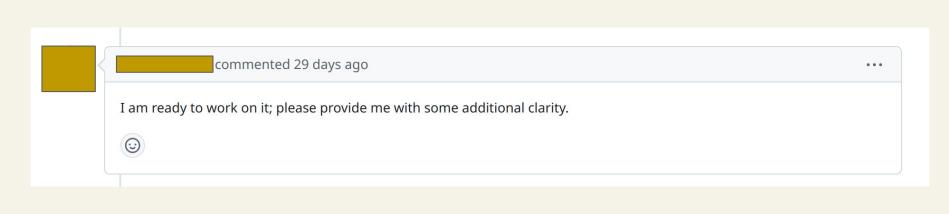




maksim36ua added good first issue no-haskell webdev labels

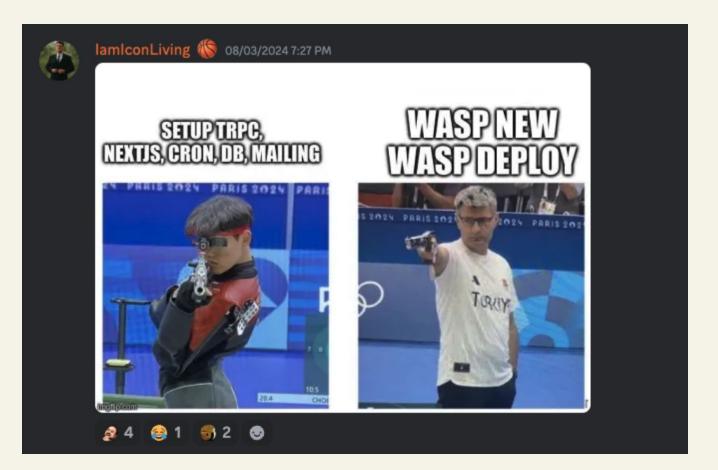


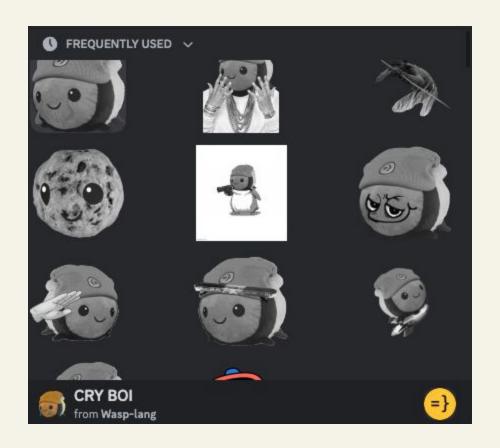
on Nov 28, 2022



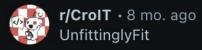
Discord

- Loyal and useful users
- Weird users
- Users insulting each other





Reddit



•••

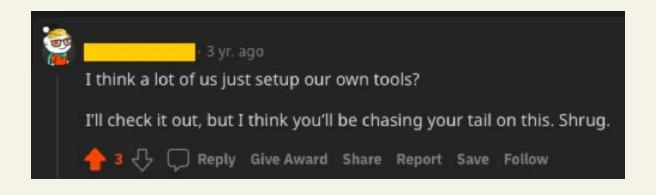
Shoutout našim momcima koji su kreirali Wasp framework

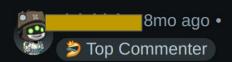
Original Content

r/webdev • 8 mo. ago

Our full-stack web framework reached 10,000 stars on GitHub!

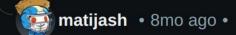
TL;DR - 3 years ago, my brother and I had an idea to start a new web framework, powered by its own DSL/compiler. A lot of people told us we stand no chance (we weren't sure either tbh), but we kept going. **Today, we reached 10,000 stars on GitHub** - below is a short story about how we started and what it took to get here.





Bravo bojsi! Super je vidjeti projekt kojem je fokus na dobrom proizvodu nastalom iz zabave/znatiželje/izazova.





Hvala na lokalnom supportu ljudi! :)



Jos jedan frontend framework je upravo ono sto treba ovom svijetu jer nemamo dovoljno postojecih i problem pracenja razvoja s postojecima /s



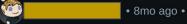
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Jos jedan frontend framework je upravo ono sto treba ovom svijetu jer nemamo dovoljno postojecih i problem pracenja razvoja s postojecima /s



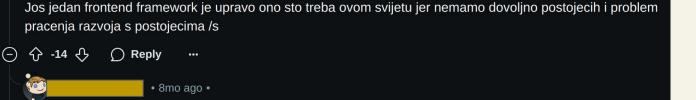


Još jedna osoba koja sere bez da je uopće pročitala o čemu se radi

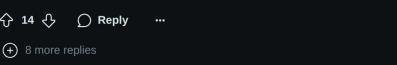
♦ 14 ♦ ○ Reply

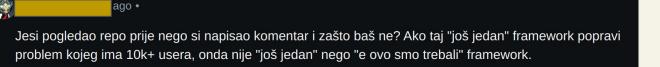
- (+) 8 more replies





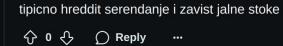
Još jedna osoba koja sere bez da je uopće pročitala o čemu se radi ○ Reply





Reply

Svaka čast ekipi, bravo!



(+) 2 more replies

• 8mo ago •



GPT Web App Generator *

Generate your full-stack web app in Wasp, React, Node.js and Prisma

App name *

e.g. TodoApp or FlowerShop

Description *

Open Saas

The free SaaS template with superpowers

An open-source, feature-rich, full-stack React + NodeJS template that manages features for you.

Get Started →

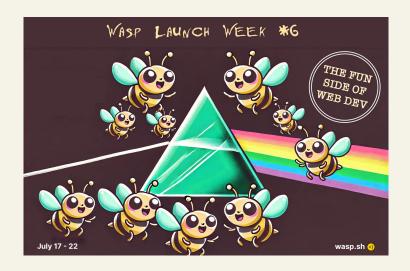
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View the Repo



Riding the hype



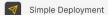


Creepy stuff



This is the way. Wasp is fully open-source and you're welcome to contribute!

Learn more >



Deploy your app to any platform. Wasp offers CLI helpers for the most popular options.

Learn more →

Email Sending

All you need to do is connect an email provider and you can send emails!



Add login with social providers or email in a few lines of code with powerful UI helpers. No third party vendor lock-in.

Learn more >



RPC (Client ↔ Server)

Wasp provides a typesafe RPC layer that instantly brings your data models and server logic to the client.

Learn more >



Easily define, schedule and run specialized server tasks. Persistent, retryable, delayable.

Learn more →



Full-stack Type Safety

Full support for TypeScript with auto-generated types that span the whole stack.

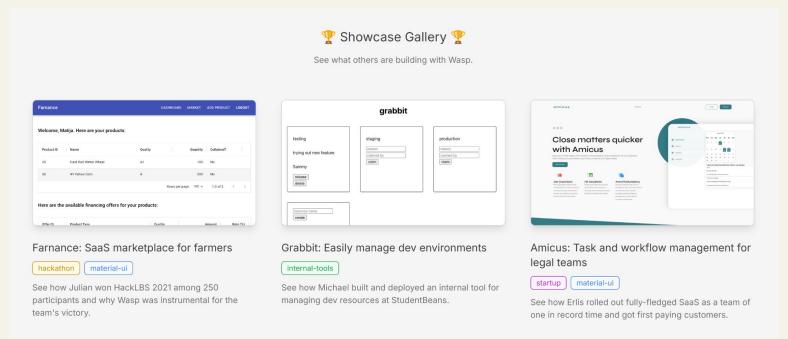


And More!

Custom API routes, database seeding, optimistic updates, automatic cache invalidation on the client, ...



Everyone's making money... except us



Gimmicks

- Giveaways
- Ruffles
- Farming stars
- Old-school arcade



Bok Matija,

Danas ti se vratila pošiljka koju ste slali u Indiju.

Kao što možeš vidjeti na priloženoj fotografiji, prošla je kroz sito i rešeto, proslavila Diwali, bila u borbi s Bengalskim tigrom i vratila se doma :D

Lijep pozdrav, Jan Popović



JAN POPOVIĆ

Tel: +385 91 7946 384

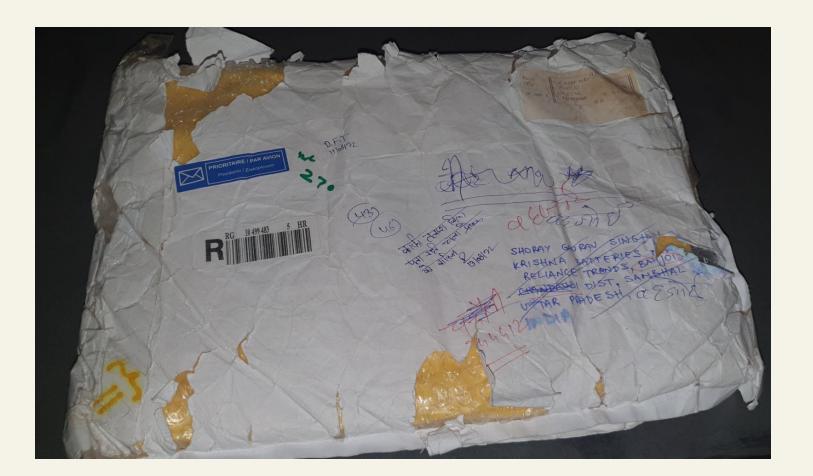
Petračićeva 6, 10000 Zagreb facebook.com/hub385 twitter.com/hub385

One attachment • Scanned by Gmail ①





√ VaspLang







Thank You! WaspLang



CHECK US OUT!

Extra: LLMs



Paul Graham 🐶 @paulg · 3h

I expected technology to make programming less laborious, as it does to most things. But I have to admit I expected it to happen by programmers switching to more powerful languages, rather than continuing to write programs full of boilerplate, but having Als generate most of it.



81

[] 105



916







Why DSL #3:

An ideal abstraction for Al

Why DSL #3:

An ideal abstraction for Al
An ideal abstraction for people

Why DSL #3:

An ideal abstraction for Al
An ideal abstraction for people
An ideal abstraction for people using Al



GPT Web App Generator :

Generate your full-stack web app in Wasp, React, Node.js and Prisma

App name *

e.g. TodoApp or FlowerShop

Description *



useMAGE.ai 🐥

