

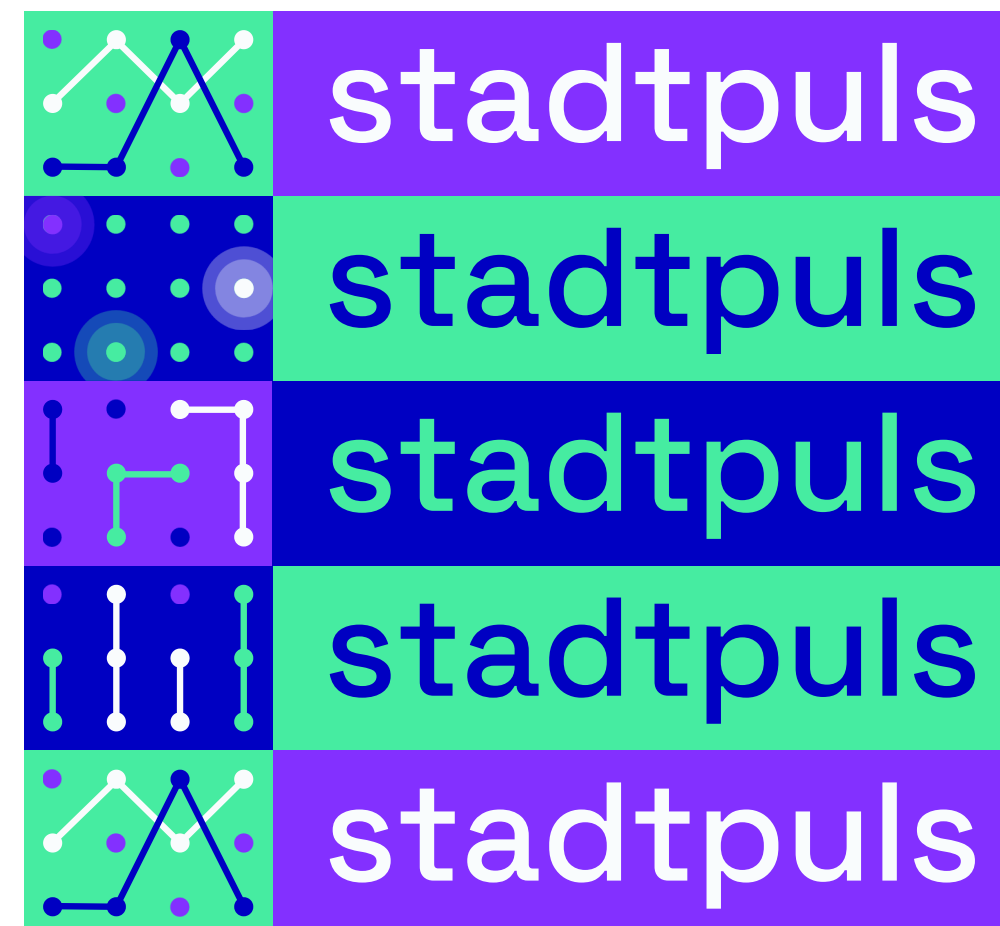
[api.]stadtpuls.com

/behind/the/curtain

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T.O.C.

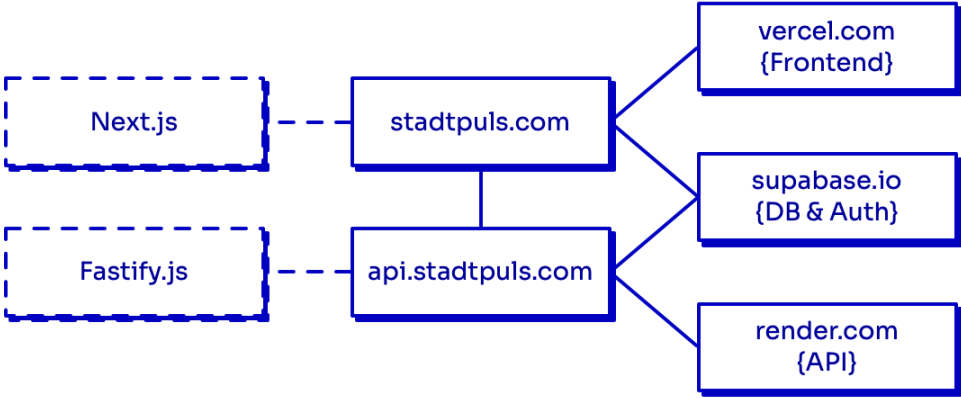
- Stadtpuls Tech Stack
- Konvention vor Konfiguration
- Dokumentation
- Qualitätssicherung

Online Präsentation

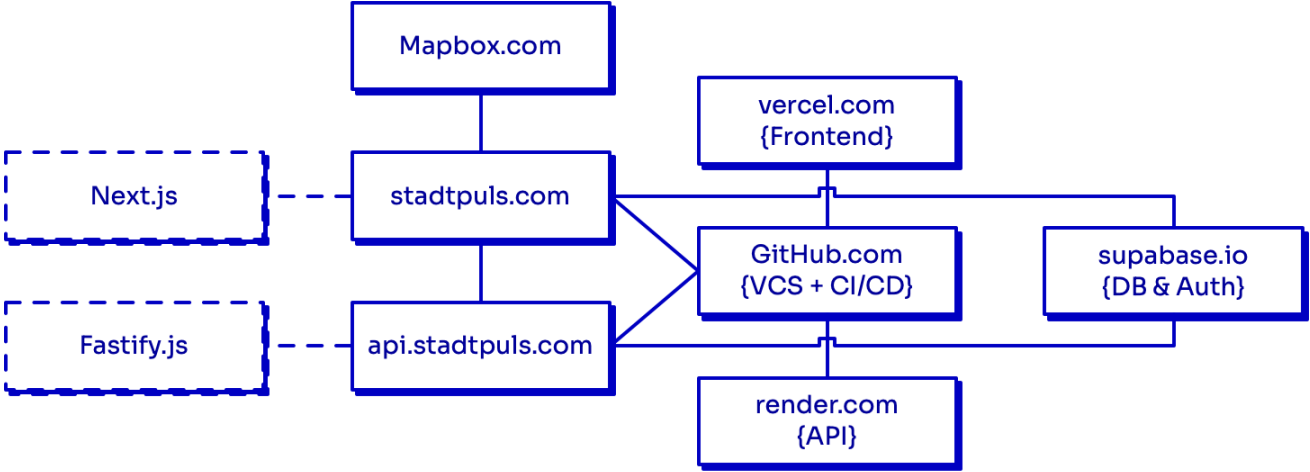
technologiestiftung.github.io/stadtpuls-behind-the-curtain

Stadtpuls Tech Stack

[api.]stadtpuls.com
Tech-Stack

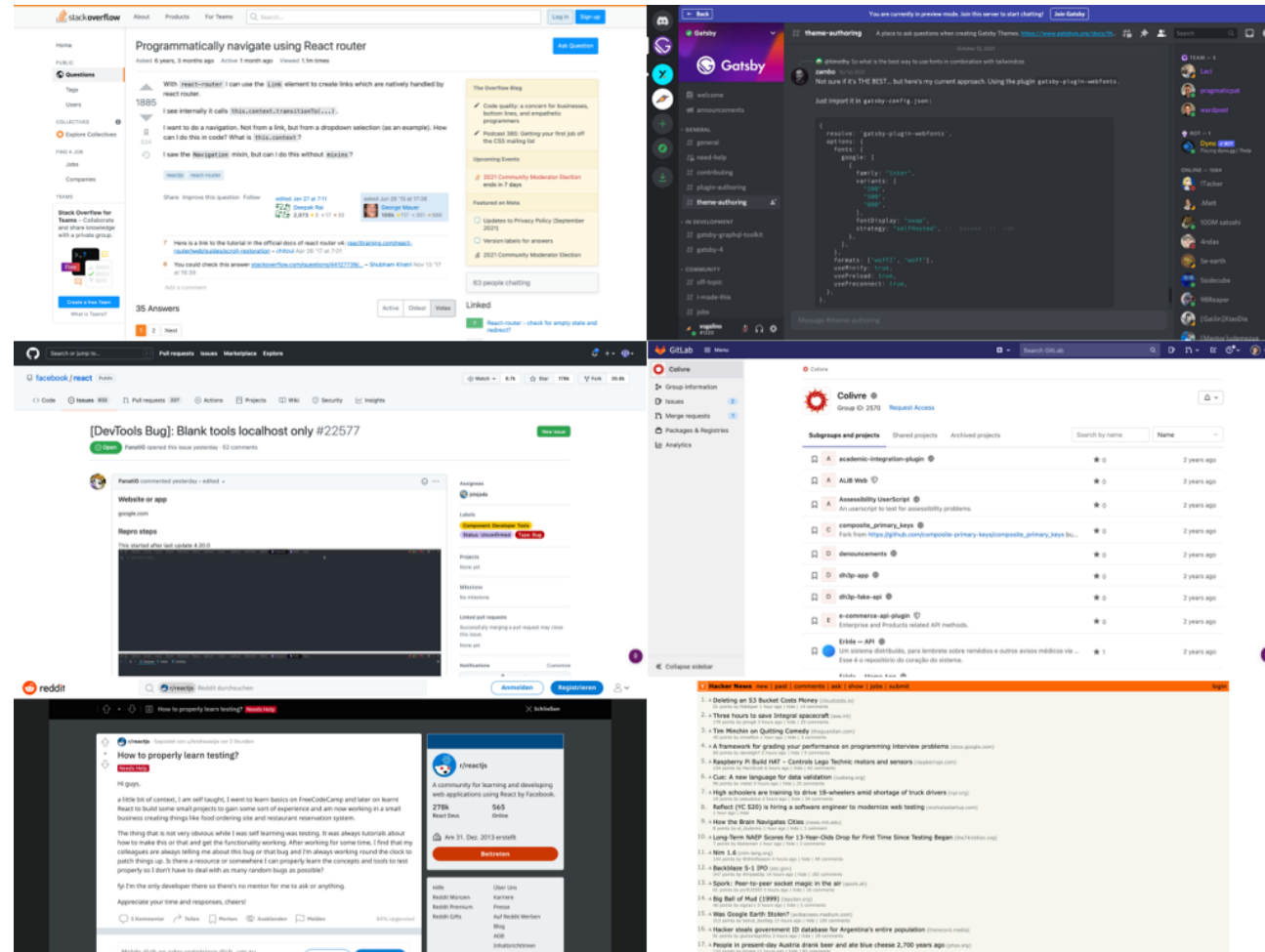


[api.]stadtpuls.com
Tech-Stack

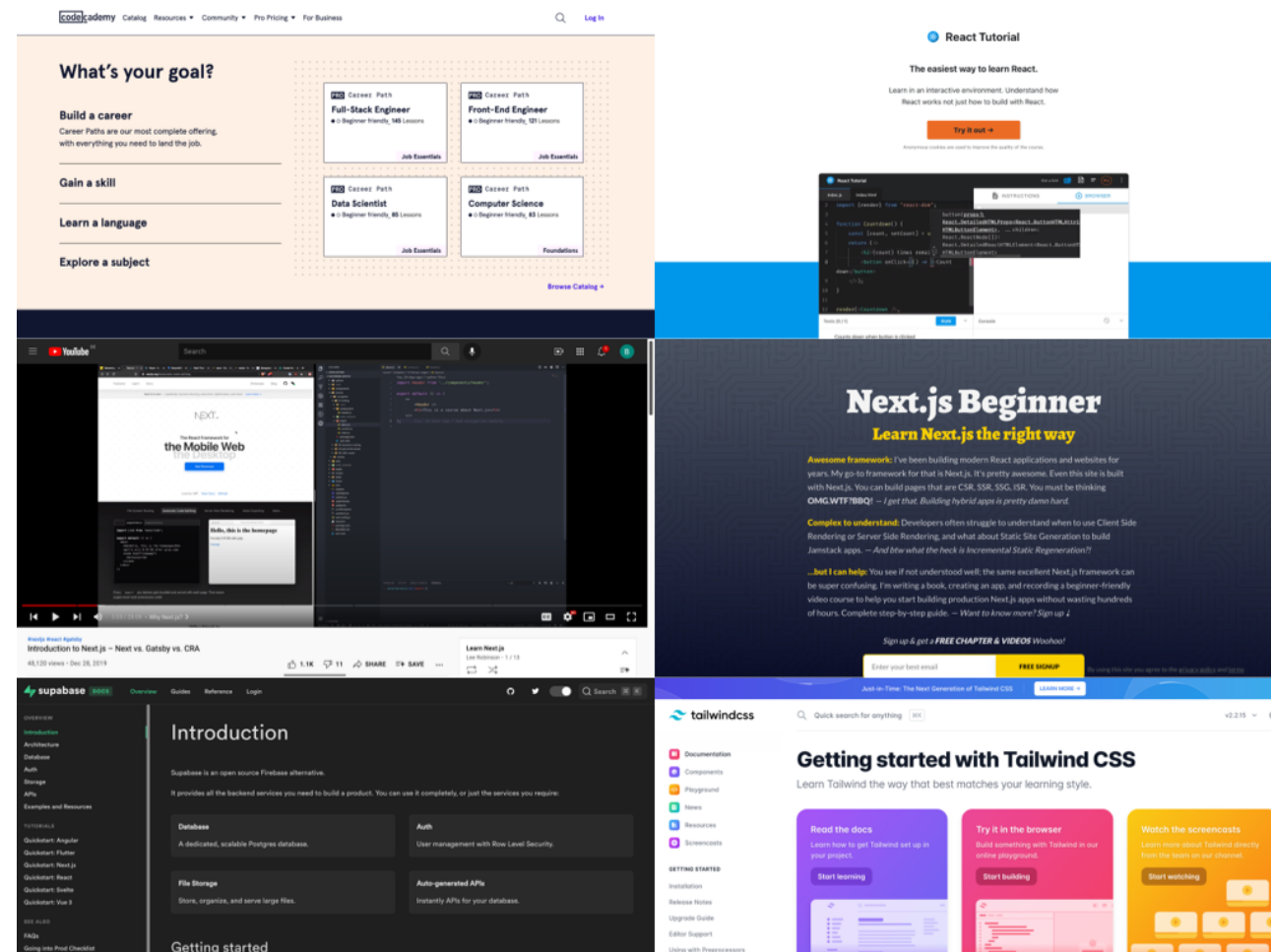


Konvention Vor Konfiguration

Große Communities



Viele Ressourcen



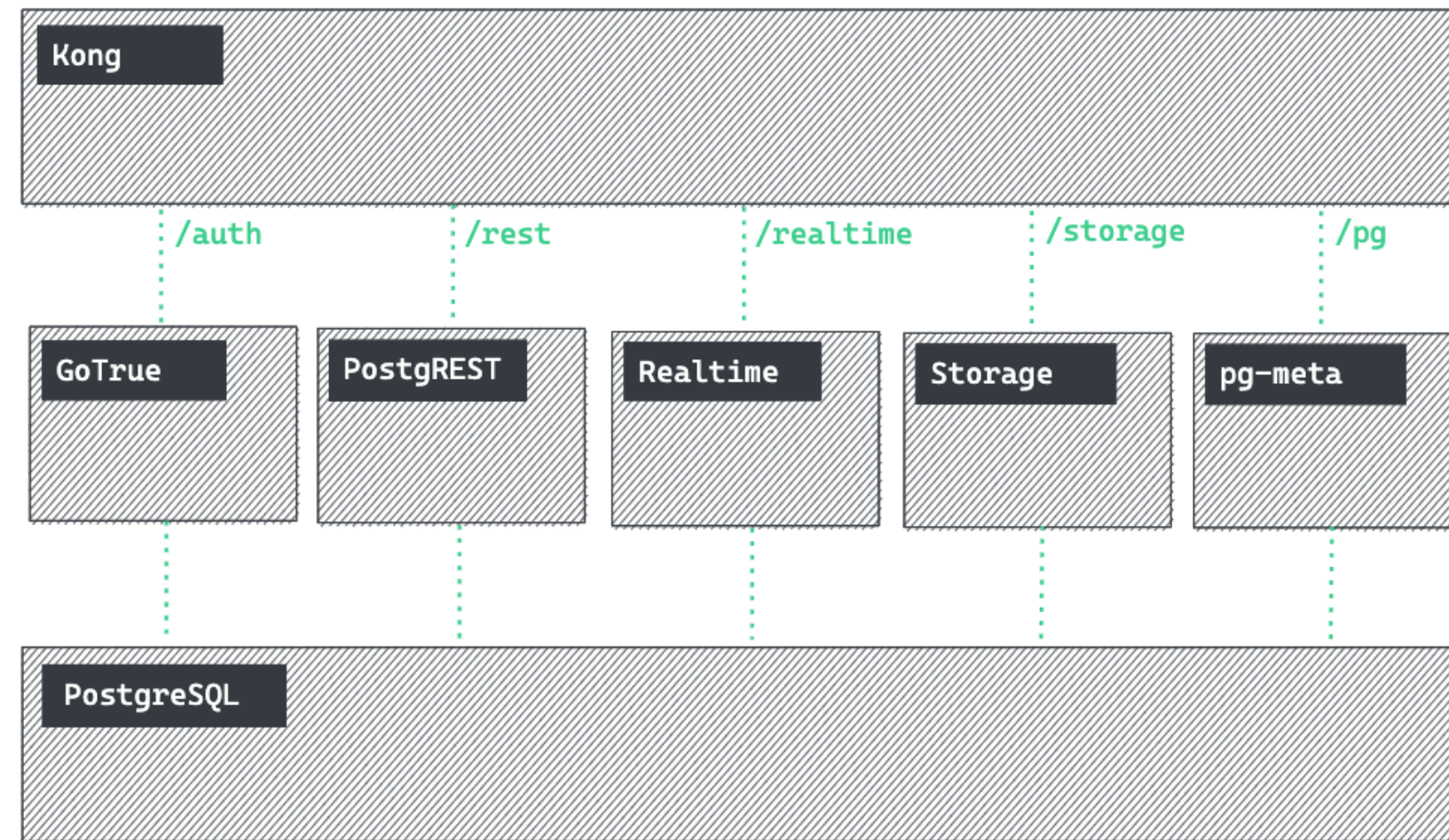
Open Source/Core



supabase

Backend As A Service Startup

Supabase is an open source Firebase alternative.



Dokumentation

JavaScript...

```
export const SigninButton= (props) => {  
  return <><button onClick={  
    (e) => {  
      e.preventDefault();  
      console.log(props.email, props.password);  
    }}/></>  
}
```

...Versus Typescript

```
interface SigninProps {  
  email: string;  
  password: string;  
}  
export const SigninButton: React.FC<SigninProps> = ({  
  email, password  
}) => {  
  return <><button onClick={(  
    (e: React.ChangeEvent<any>) => {  
      e.preventDefault();  
      console.log(email, password);  
    })}/></>  
}
```

Fastify JSON Schemas



JSON Schema

POST <http://example.com/api/cats>

```
{
  "$id": "https://example.com/api/cats.schema.json",
  "title": "cats",
  "type": "object",
  "additionalProperties": false,
  "properties": {
    "name": {
      "type": "string",
      "description": "The cat's name."
    },
    "mood": {
      "description": "The mood the cat is in.",
      "enum": ["grumpy", "happy", "purrrr!"]
    }
  },
  "required": ["mood"]
}
```

Request 201

```
POST /api/cats HTTP/1.1
Host: example.com
Content-Type: application/json

{"mood": "purrrr!"}
```

Request 400

```
POST /api/cats HTTP/1.1
Host: example.com
Content-Type: application/json
```

```
{"mood": "purrrr!", "saz": "I hate Mondays!"}
```

```
{
  "statusCode": 400,
  "error": "Bad Request",
  "message": "body should NOT have additional properties"
}
```

Storybook



Qualitätssicherung

Testing

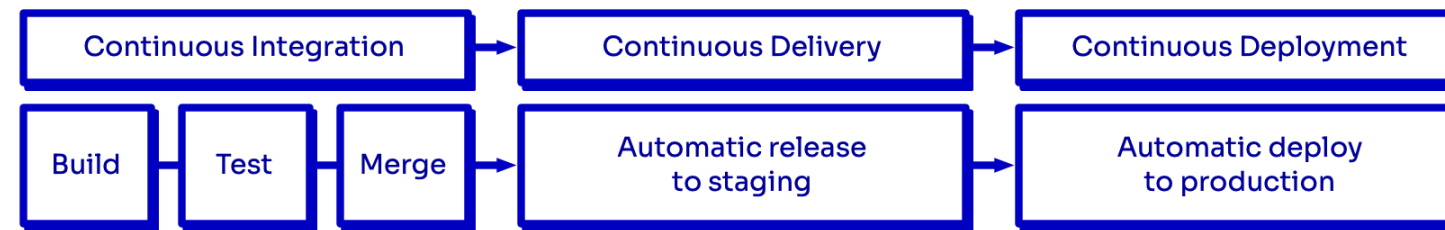
- Unit-testing
- Snapshot-testing
- Integration-testing

Storybook

Code Reviews

Github Actions

- CI (Continuous Integration)
- CD (Continuous Delivery)
- CD (Continuous Deployment)



Staging Environments

Q & A

Danke

für Ihre Aufmerksamkeit