Effect on Frontend?

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What is Effect?

Application Framework

- Requirements Management
- Observability
- Configuration
- Scheduling
- Concurrency
- ...

Standard Library

- BigDecimal
- Duration
- DateTime
- Either & Option
- ...

Language

- Opinionated way to write code
- Exhaustive Pattern Matching
- Compositional patterns: generators & piping
- Functions decoloration

This is Effect

```
let attempt = ∅
const unstableTask = Effect.gen(function* () {
  attempt += 1
  yield* Effect.log(`Attempt ${attempt}`)
  if (attempt < 3) {</pre>
    return yield* Effect.fail(new Error('Task failed'))
  return yield* Effect.succeed('Task succeeded')
}).pipe(Effect.withLogSpan('unstableTask'))
<u>Effect</u>.runPromise(<u>Effect</u>.retry(unstableTask, <u>Schedule</u>.fixed('600 millis')))
  .then(console.log)
  .catch(console.error)
```

This is Effect

```
Represents the success type
Represents the error type
Represents required dependencies

Figure Represents required dependencies

Figure Represents required dependencies

Figure Represents required dependencies

Figure Represents required dependencies
```

But how to use Effect on FE?

A reactive state management library for Effect

@effect-atom/atom-react

Thank You!

Resources

- @effect-atom/atom-react: https://github.com/tim-smart/effect-atom
 atom
- Effect: https://effect.website/
- @effect/platform: https://github.com/Effect-
 TS/effect/tree/main/packages/platform