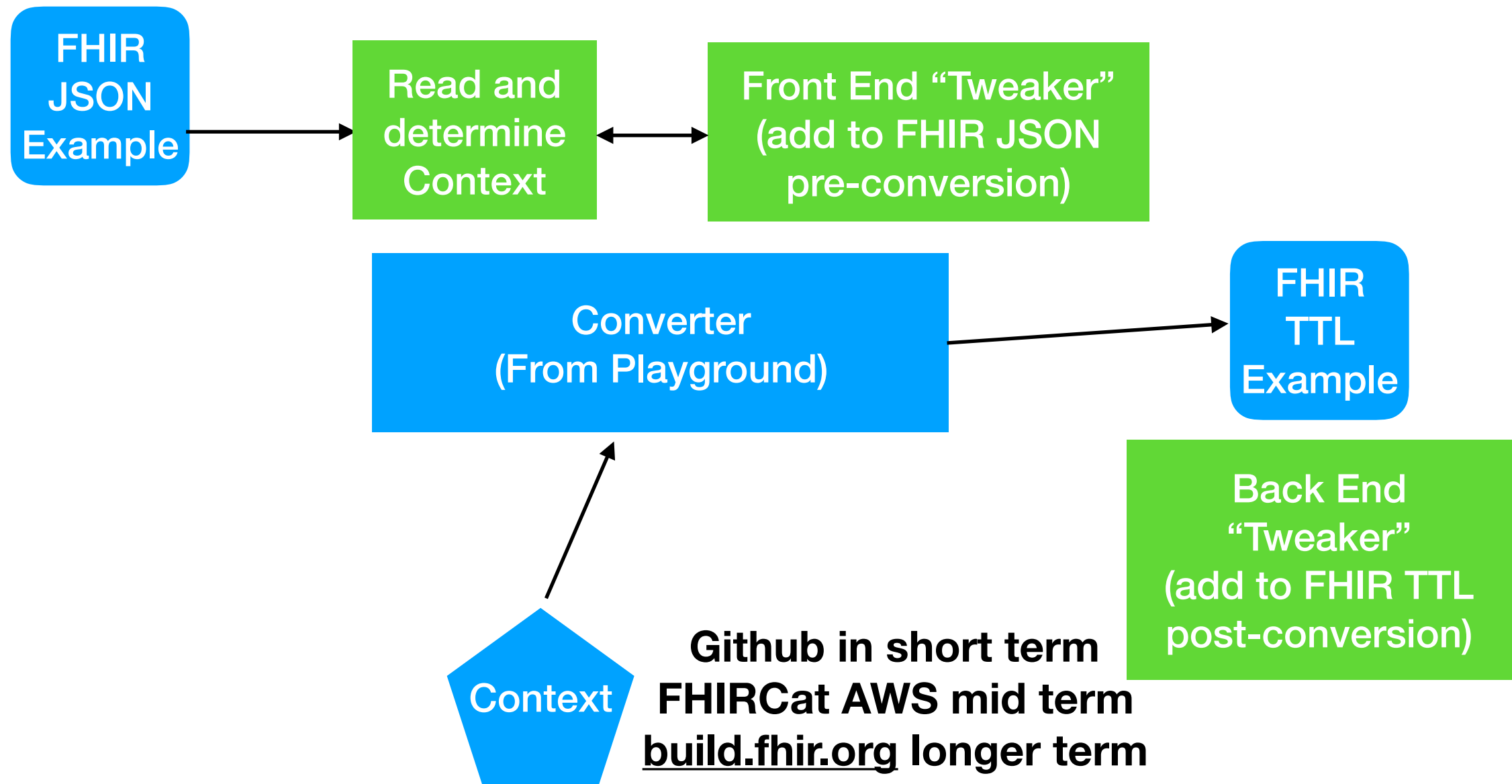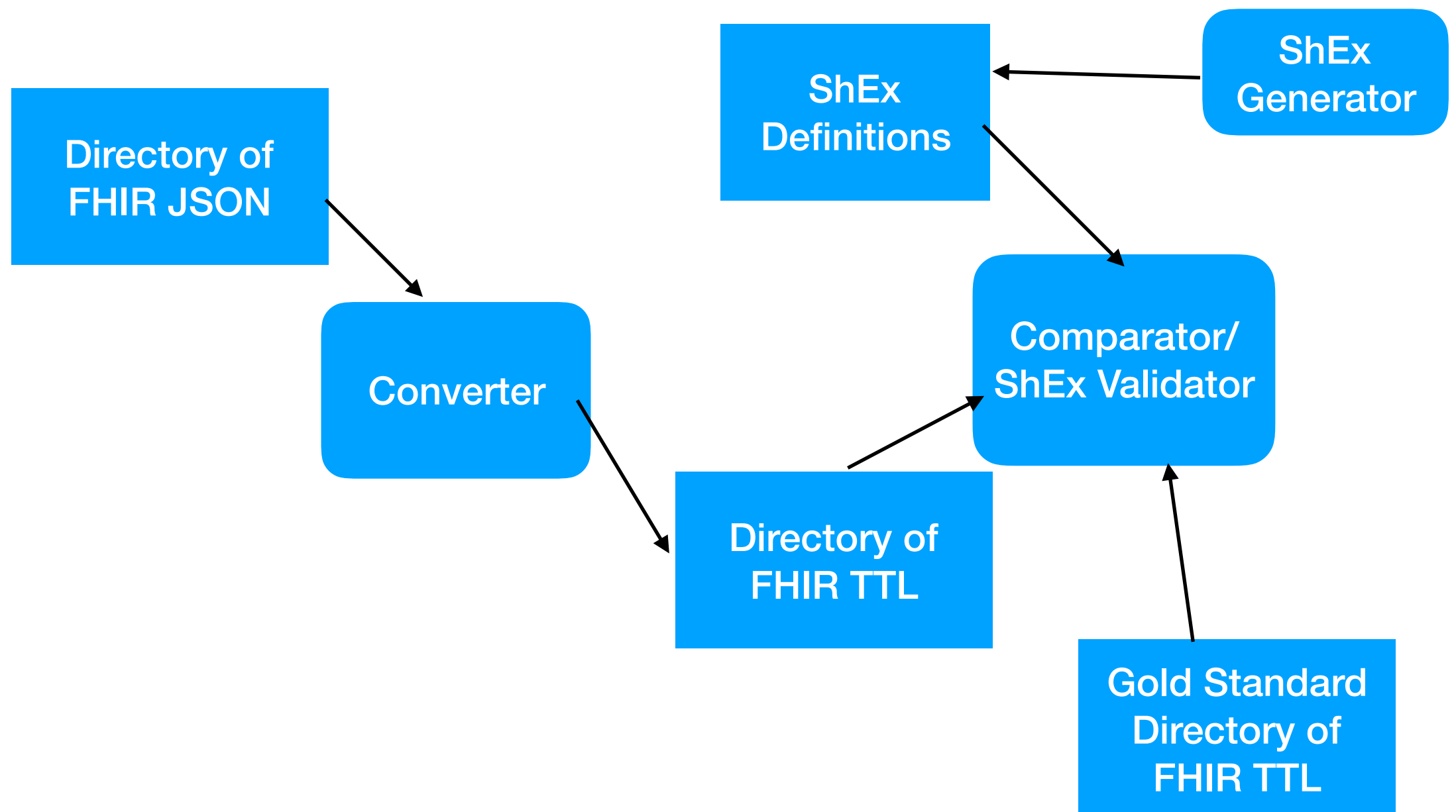# FHIR JSON-LD Converter

Grammar

- "R4 TTL" — this is what we've got today

- "Minimal R5 TTL" — result of apply context-ld "out of the box"

  - Everything we can do directly with the JSON-LD 1.1 context

- "Target R5 TTL" — our target — the revised FHIR RDF specification (not defined yet)

```
Directory of
FHIR JSON  ──────►  Converter

ShEx
Definitions  ◄──────  ShEx
                      Generator

Converter  ──────►  Directory of
                    FHIR TTL  ──────►  Comparator/
                                       ShEx Validator

ShEx Definitions  ──────►  Comparator/ShEx Validator

Gold Standard
Directory of
FHIR TTL  ──────►  Comparator/ShEx Validator
```

Front End Only

- For a complete list, see https://github.com/fhircat/FHIRCat/issues/2

- FHIR spec say that "v": 5.0 /= "v": 5.00

- fhir:v [fhir:value 5.0]

- rec.nodRole = "treeRoot"

- Literals are date typed in RDF but not in JSON

  - Fhir:date -> xsd:year, xsd:datetime, xsd:date

Note (!!!)

- We also need FHIR TTL —> FHIR JSON (!)

  - Framing language (?)

  - ???