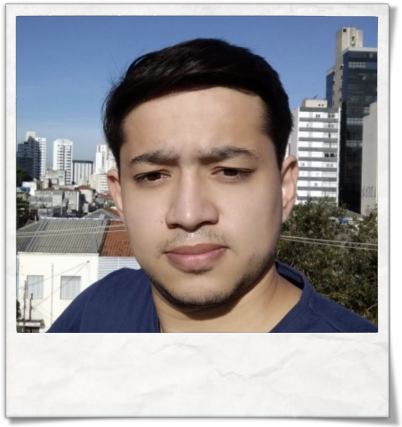
SmartMEi Scheduler

Como agendamos tudo para todos

Quem somos ?

SMARTMEi



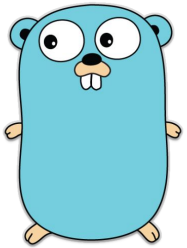
Ciro Anunciação
Software Engineer

Julio Shinoda
Software Engineer

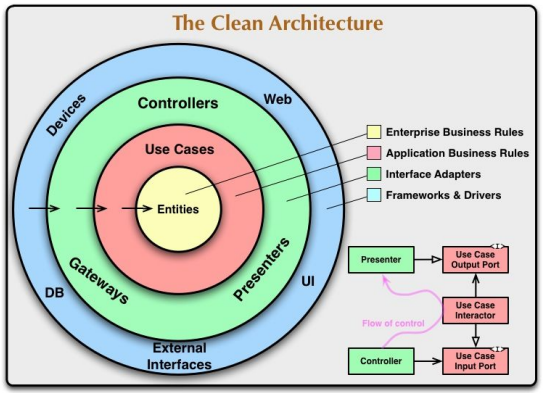
Por quê?

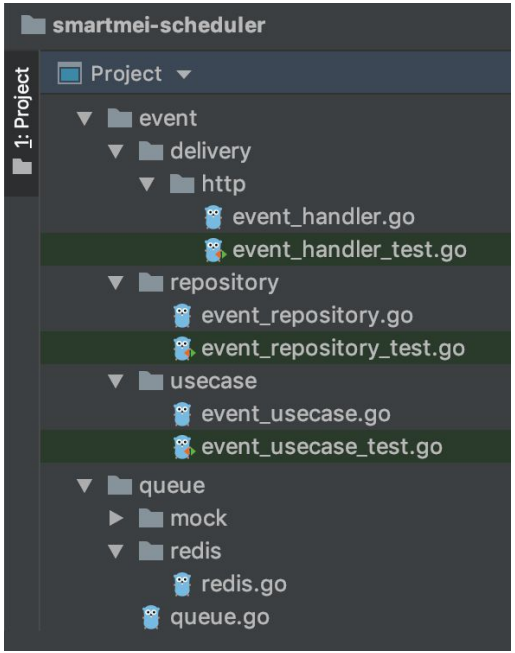
One watch to rule them all

O que usamos ?



Como fizemos ? Arquitetura





Como fizemos ? Módulos

- **Web Framework:** labstack/echo
- **Logging:** sirupsen/logrus
- **Validation:** go-playground/validator
- **Queue:** AgileBits/go-redis-queue
- **Mocks:** vektra/mockery
- **Authentication:** dgrijalva/jwt-go
- **Config:** spf13/viper
- **Cron:** robfig/cron

Como fizemos ? REST API

- **REST API**

evento

```
{
  "_id": "5d76f9708846d536d096a39d",
  "service": "xulamps",
  "key": "unique-event-key",
  "action": "capybara",
  "title": "Title that describe event",
  "status": "active",
  "params": {
    "url": {
      "url_param": "someID"
    },
    "body": {
        ....
      }
    },
    "header": {
      "Content-Type": "application/json"
    }
  },
  "schedulingPattern": {
    "maxOccurrences": 12,
    "separation": 1,
    "pattern": "0 1 15 8 *",
    "timezone": "America/Sao_Paulo"
  },
  "nextOccurrence": ISODate("2020-08-15T04:00:00Z"),
  "updatedAt": ISODate("2019-09-10T01:16:32Z"),
  "createdAt": ISODate("2019-09-10T01:16:32Z")
}
```

graphql

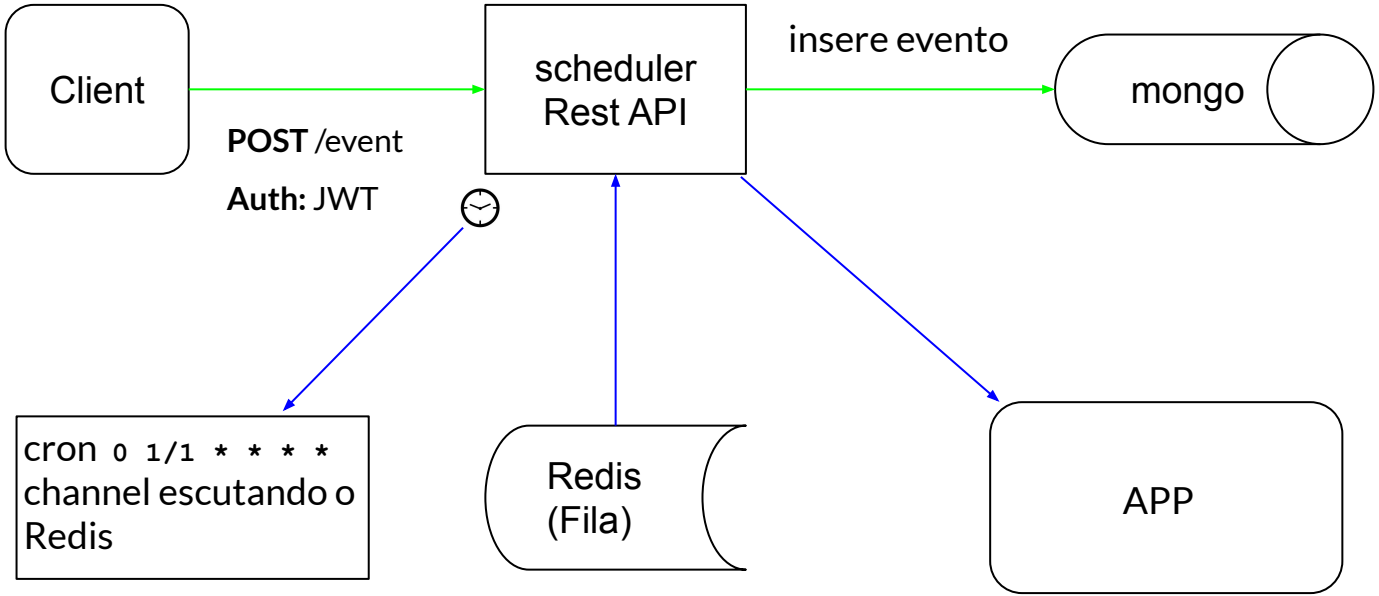
```
{
  "_id": "5d69b24add8123810c1eca91",
  "service": "xulamps",
  "type": "graphql",
  "key": "some-unique-key",

  "payload": {},
  "graphql": {
    "endpoint": "https://graphql.capybara.dev/graphql",
    "query": "mutation someTask {.....}"
  },
  "updatedAt": ISODate("2019-08-29T14:04:45Z"),
  "createdAt": ISODate("2019-08-29T14:04:45Z")
}
```

-

webhook

```
{
  "_id": "5d093448d0691659b9ccd12f",
  "service": "capybara",
  "type": "webhook",
  "key": "some-unique-key",
  "webhook": {
    "endpoint": "http://localhost:3000/webhook/do/something/<id>",
    "method": "GET"
  },
  "updatedAt": ISODate("0001-01-03T00:00:00Z"),
  "createdAt": ISODate("0001-01-03T00:00:00Z")
}
```

Como fizemos ?



Qual o futuro?

- Fila com SQS ao invés de Redis

E no futuro do futuro...

- Uso de Lambda para geração e processamento de eventos

Alguma dúvida?

42 é a resposta!

SMARTMEi

ESTAMOS CONTRATANDO
QUEM PENSA FORA DA
CAIXA

Backend Developer - Pl

Analista de infra - Jr

Fullstack - Jr

Customer Experience - Jr

leticia.schadeck@smartmei.com.br

we're hiring

Obrigado!

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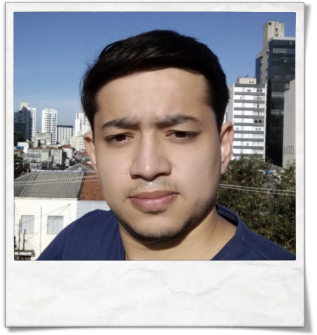

julioshinoda

julioshinoda

we're hiring