Open Source Go at Heetch

Who or what is heetch?

Just the facts Ma'am:

- French ride hailing company, based in Paris, but with a remote engineering work force.
- Notionally Like Uber or MOIA, but **really** not like Uber or MOIA ;-)
- We use Go for nearly everything, including parts of our iOS and Android apps.
  - There's also some Elixir, Kotlin, Swift, Javascript (of course), Ruby (Legacy) and Python (Data Science).
- We believe strongly in giving back to the Go community:
  - Open Source as much as possible
  - Sponsor events:
    - Platinum sponsor for dotGo! 2019: https://www.dotgo.eu/partners
    - Hosted Golang Paris: https://twitter.com/HeetchEng/status/1064833358738464768

What do you do at Heetch?

- I work for the Developer Care team
- I wrote a longish blog post about what "Developer Care" is, and how it came to be:
  - https://eng.heetch.com/developer-care-3e22a4d7ff54
- Short version: We build tools and libraries for product oriented engineers to accelerate them and build "tech credit".

What Go projects has Heetch released as Open Source?

All of the following are available under the MIT license. A few of them existed before the Developer Care team came into being. SQALX, Confita, Regula and Felice are owned and maintained by Developer Care.

There are other OSS projects that are not Go based that I haven't listed here.

Confita

Description

Confita is a library that loads configuration from multiple backends and stores it in a struct. Supports: Environment variables, JSON files, Yaml files, Toml files, Command line flags, etcd, Consul and Vault

Status

Stable and production ready. Maintained.

Planned work

None currently.

https://github.com/heetch/confita

Felice

Description

Felice is a nascent, opinionated [Kafka](https://kafka.apache.org) library for Go, in Go. Currently you can use Felice to send and cosume messages via Kafka topics. We intend to add more advanced features shortly.

Status

In production use for consumer / producer communication.

Planned work

Go native Tables and Streams support.

https://github.com/heetch/felice

LAPJV

Description

Go native Jonker-Volgenant Algorithm. The Jonker-Volgenant algorithm is much faster than the famous Hungarian algorithm for the Linear Assignment Problem (LAP).

Status

In production use.

Planned work

None

https://github.com/heetch/lapjv

Regula / RUSE

Description

A go native rules engine supporting server side evaluation, and remote evaluation.

See: https://regula.readthedocs.io/en/latest/

Status

Currently under active development

Planned work

(Q2 2019) A UI for creating and managing rule-sets. A domain specific language for defining rules (RUSE).

https://github.com/heetch/regula

S3Update

Description

Make your binaries auto-update to new versions when deployed on S3

Status

Released

Planned work

None.

https://github.com/heetch/s3update

SQALX

Description

sqalx (pronounced 'scale-x') is a library built on top of sqlx that allows to seamlessly create nested transactions and to avoid thinking about whether or not a function is called within a transaction. With sqalx you can easily create reusable and composable functions that can be called within or out of transactions and that can create transactions themselves.

Status

In production use

Planned work

None

https://github.com/heetch/sqalx