EVPlanner.rs

Dennis Orlando, Alessio Zeni,
Fabio Giovanazzi, Filippo De Grandi

Our team (grazie Marco per le foto <3)

FABIO GIOVANAZZI

FILIPPO DE GRANDI

ALESSIO ZENI

DENNIS ORLANDO

EVPlanner.rs

Dennis Orlando, Alessio Zeni,
Fabio Giovanazzi, Filippo Degrandi

KONVERTO
passion for technology

<here is where we show the app>

Tech Stack

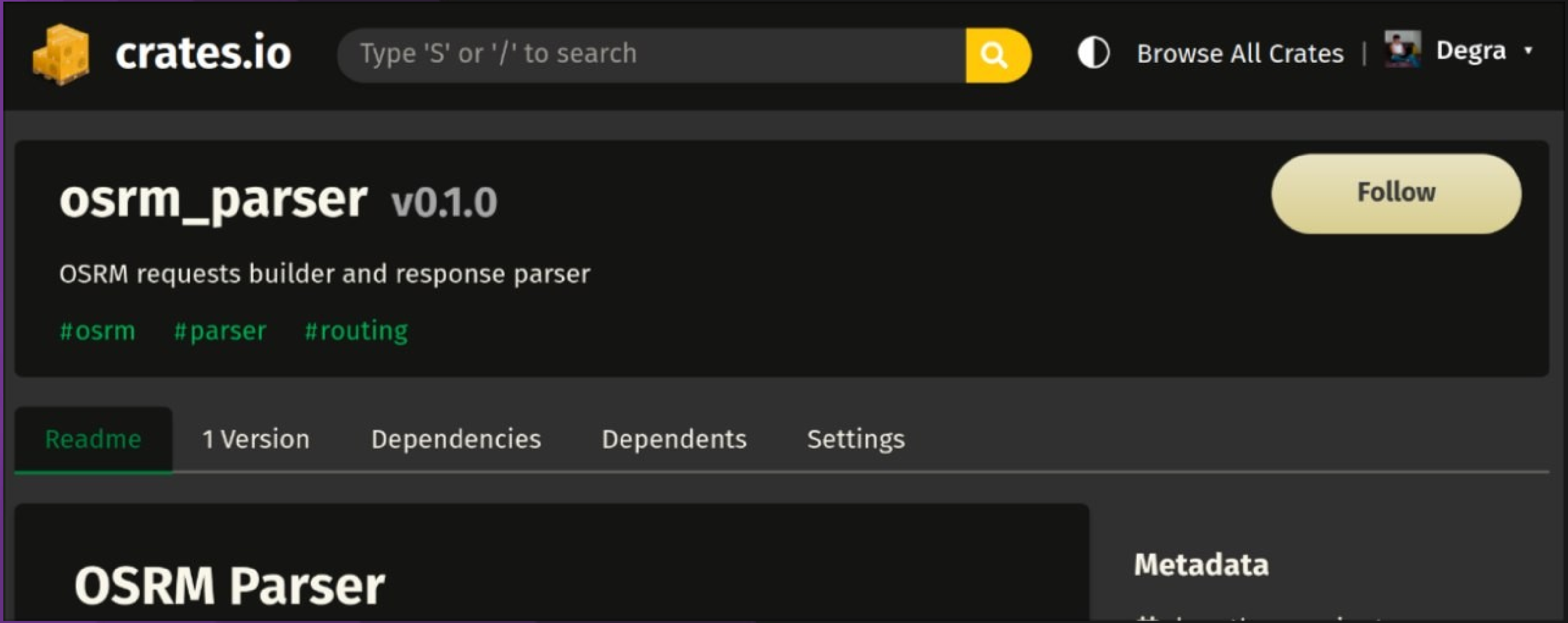
- Flutter (Android, Linux, Smart Fridge)
- OSRM, Nominatim
- Rust (actix-web & lots of crates)
- Docker Compose

Tech Stack

- Flutter (Android, Linux, Smart Fridge)
- OSRM, Nominatim
- Rust (actix-web & lots of crates)

  ...(blazingly fast 🚀)
- Docker Compose (docker compose up and you’re good to go)

Tech Stack



osrm_parser v0.1.0

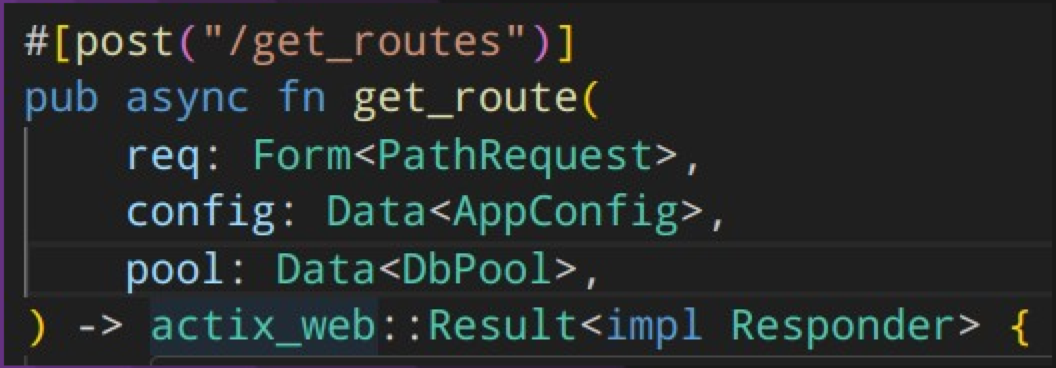
OSRM requests builder and response parser

#osrm #parser #routing

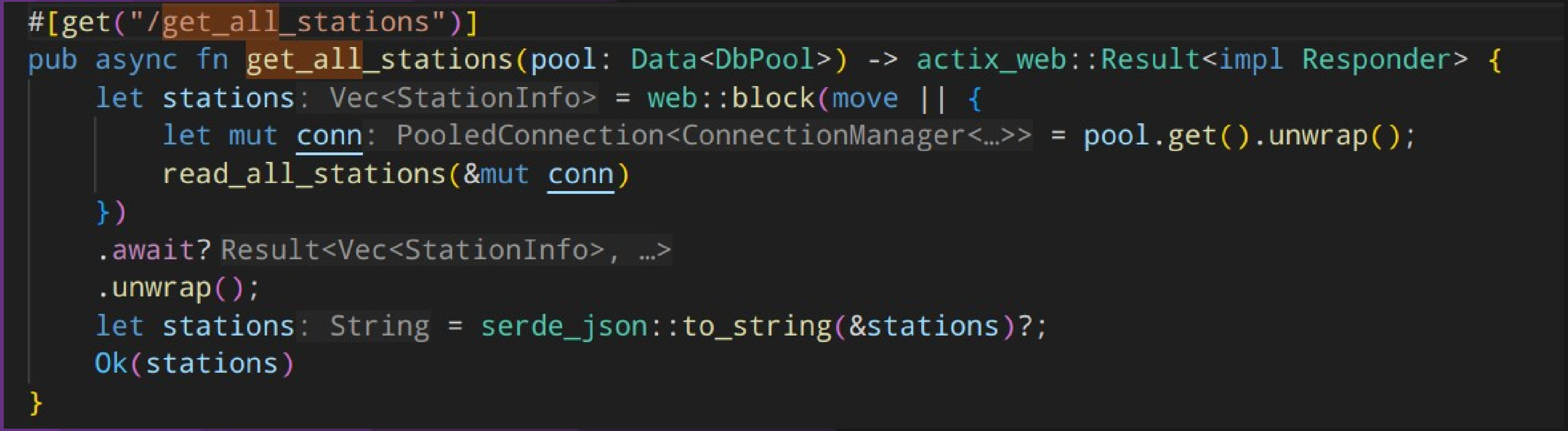
OSRM Parser

Metadata

Backend endpoints



```
#[post("/get_routes")]
pub async fn get_route(
    req: Form<PathRequest>,
    config: Data<AppConfig>,
    pool: Data<DbPool>,
) -> actix_web::Result<impl Responder> {
```



```
#[get("/get_all_stations")]
pub async fn get_all_stations(pool: Data<DbPool>) -> actix_web::Result<impl Responder> {
    let stations: Vec<StationInfo> = web::block(move || {
        let mut conn: PooledConnection<ConnectionManager<…>> = pool.get().unwrap();
        read_all_stations(&mut conn)
    })
    .await? Result<Vec<StationInfo>, …>
    .unwrap();
    let stations: String = serde_json::to_string(&stations)?;
    Ok(stations)
}
```

<here is where we get back to the app>

Future Work

- Cost-optimizing algorithm
- Multiple appointments
- Minor bugs (i.e. politely arguing with OSM APIs)

Thank you! :)

...and thanks to JetBrains for this gorgeous Slide backgrounds <3