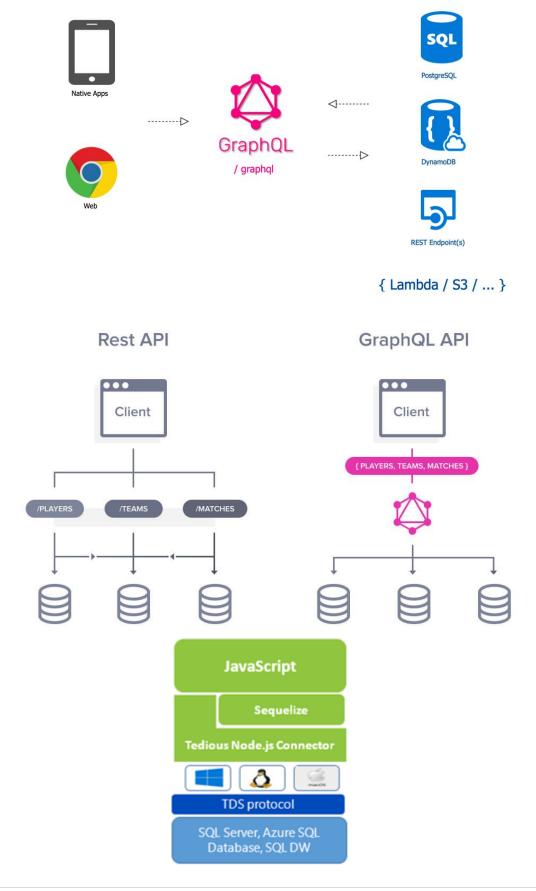
## API built with NodeJs and express, GraphQL and SQLServer



## Folder structure:

```
∨ graphql-sqlserver

 > build
 ∨ src

∨ config

   {} config.json

√ dbhelper

   JS saveList.js
  > express
  ∨ graphql
   ∨ input
    JS input_list.js

∨ mutations

    JS mutations.js

∨ output

    JS output_list.js
    JS token.js

√ rootquery

    JS RootQuery.js
   JS schema.js
  ∨ models
   JS index.js
   JS list.js
6 .babelrc
 .gitignore
JS index.js
{} package.json
③ README.md
webpack.config.js
 varn.lock
```

### **Modules requires:**

```
'dependencies": {
"babel-cli": "^6.26.0",
 "babel-preset-env": "^1.7.0",
 "babel-preset-stage-3": "^6.24.1",
 "bcrypt": "^3.0.6",
 "body-parser": "^1.19.0",
 "cross-env": "^5.2.1",
 "express": "^4.17.1",
 "express-graphql": "^0.9.0",
 "express-session": "^1.16.2",
 "graphql": "^14.5.5",
 "jsonwebtoken": "^8.5.1",
 "nodemon": "^1.19.2",
"rimraf": "^3.0.0",
 "sequelize": "^5.18.4",
 "sequelize-cli": "^5.5.1",
 "tedious": "^6.4.0",
"webpack": "^4.40.2",
 "webpack-cli": "^3.3.8"
```

# **Project Setup**

#### Step 1: Create node project

npm init -y

### Step 2: Add dependencies

yarn add body-parser express tedious sequelize sequelize-cli graphql bcrypt express-graphql nodemon jsonwebtoken babel-cli babel-preset-env babel-preset-stage-3 webpack webpack-cli

#### Step 3: create sequelize skeleton configuration

yarn sequelize-skeleton update config.json file

#### Step 4: ORM models

Let's create our ORM data models

#### Step 5: GraphQL Schema

Let's create our GraphQL Schema

#### Step 6: express server

Let's create our server

#### Step 7: run

"start": "nodemon --exec babel-node index.js --offline", Yarn start

\*

In Detailed: configuration.js

#### Model: configuration

```
JS index.js
graphql-sqlserver > src > models > JS index.js > ♦ forEach() callback
       'use strict';
                      = require('fs');
      var path
                     = require('path');
      const Sequelize = require('sequelize'); //Sequelize is a promise-based Node.js ORM for Micro
       var basename = path.basename(__filename);
                     = process.env.NODE_ENV || 'development';
= require(_dirname + '/../config/config.json')[env];
       var env
       var config
      var db
      if (config.use_env_variable) {
       var sequelize = new Sequelize(process.env[config.use_env_variable], config);
        var sequelize = new Sequelize(config.database, config.username, config.password, config);
         .readdirSync(__dirname)
         .filter(file => {
           return (file.indexOf('.') !== 0) && (file !== basename) && (file.slice(-3) === '.js');
         .forEach(file => {
           var model = sequelize['import'](path.join(__dirname, file));
           db[model.name] = model;
       Object.keys(db).forEach(modelName => {
        if (db[modelName].associate) {
         db[modelName].associate(db);
       db.sequelize = sequelize;
       db.Sequelize = Sequelize;
       module.exports = db;
```

#### List model:

