



## PaySky – Developer Task

Version: 1.0

## General Information

It is required to build an employment system that allows different employers to create vacancies and enables job seekers to apply for these opened positions.

The system should have the below requirements:

- There will be two user types (Employer and Applicant).
- Each user role will have specific functions.
- System should have below shared functions:
  - o Self-registration for both user types.
  - o Login.
- Employer user:
  - o CRUD functions for vacancies.
  - o Vacancy should have max number of allowed applications.
  - o Post and deactivate vacancy.
  - o Vacancies should have an expiry date.
  - o View list of applicants for a vacancy.
- Applicant user:
  - o Search for vacancy.
  - o Apply for vacancy. And it shouldn't exceed the maximum number of vacancy applications.
  - o Not allowed to apply for more than one vacancy per day (24 hours).
- There should be an archiving mechanism for expired vacancies.
- Fully functional APIs are required. and UI is a plus.
- All dot net frameworks are allowed, and core is recommended.
- DB should be built using MS SQL server.
- Caching, logging, and system security should be considered.
- It's recommended to apply an existing solution architecture (CQRS, onion, clean).

### Deliverables:

- Solution(s) source code.
- DB migration or script.
- Read me file for how to setup and run the completed solution.
- Postman collection with sample request/response included.