

Backend .NET Developer Assessment

by ETIQA IT , revised September 2023.

We wanted to hire talent Developer to join our exciting projects to make the world a better place!

- **Expected Skillsets** – ASP.Net Core Web API, Database, RESTful API,
- **Bonus:** Client side development skill, Securing the endpoint, Caching Strategy, Pagination, Error Handling, Testing Strategy & *Something that amazed us (e.g. CI/CD, design pattern, clean architecture)?!*

Situation

A fictional company, CDN - Complete Developer Network is going to build a list of freelancers.

Such that they could have a directory of contact get people for their job.

1. Develop the RESTful API to register/delete/update/get for an user using verbs such as:
 - @GET, @POST @PUT, @DELETE
2. The following are attributes for user model:
 - username, mail, phone number, skillsets, hobby
3. Connect to any of well-known RDBMS database to demonstrate data storage.
4. Build a simple interface for the above 4 operations (Optional):
 - GET list of registered user name.
 - Register a new user, delete a user, update a user details.
5. Produce the above codes, and setup a repository in GitHub, then share the link to repository with us.
 - better with a well documented **README.md** to impress us.
 - explain your code how it works, what technology was used. (during interview session)
 - demonstrate your code, on how to query data, add data, update data & remove data. (during interview session)
 - may host the working demo at Heroku / AWS / any known platform to demonstrate your work!

===== GOOD LUCK, look forwards to have you in our team :) =====