



Software Engineer BE Assessment

Create CRUD API + Search and filter APIs with Apollo graphql and PostgreSQL(Prisma ORM) database. You need to create 1-2 database tables that have some sort of relationship in them and then build API on top of it. Must use Typescript.

Once it's done push it to a GitHub repo and share it with us.

Task Details:

You have been tasked with creating a simple GraphQL API for managing a list of movies. You will be using Node.js with the Apollo GraphQL library to implement the API.

Requirements:

The API should allow users to:

- SignUp as a User
- Login
- Change Password
- Query a list of all the movies.
- Query a movie with its id
- Create a new movie
- Update an existing movie
- Delete a movie

The user data should include the following information:

- ID (Number)(Auto Increment)
- User Name(String)
- Email ID(String)
- Password(String)

The movie data should include the following fields:

- ID (Number)(Auto Increment)
- Movie Name (String)
- Description(String)
- Director Name (String)
- Release Date (Date)



Authorization and Authentication:

- Users should be able to register for an account with email and password. Passwords should be hashed.
- Users should be able login into the API with their email and password and receive a JWT token.
- API should accept JWT tokens in headers to authenticate requests.
- Only authenticated users should be able to perform Create, Update, or Delete operations on movies.

Technical Specification:

- Use Node.js and GraphQL to implement the API.
- Use PostgreSQL to store users and, movie data.
- Querying movies should include sorting, filtering, and pagination.
- Querying a movie should also include search functionality based on the movie name or description.
- Include proper Error Handling and data validation.
- Use Git for version control.