

# Backend Engineer

## Goals:

1. Evaluate the ability of the candidate to write practical backend code
2. Evaluate the ability of a candidate to understand and port existing code without handholding and training efforts.

## Expected Submission:

1. A GitHub repository link containing the ported code with a README.md file containing instructions on using the code.
2. A link to a demo hosted on one of the free NodeJs application hosting services.
3. For the database, SQLite should be used and embedded in the application.
4. All SQL data access must be made using sequelize.

## Evaluation Criteria:

1. Clean, readable code
2. Maximum code reuse
3. All APIs should return performance parameters indicating how many milliseconds it took to complete the API
4. Code can be written in Javascript or Typescript

## Time allotted for completion:

48 Hours from the time of assignment is sent to the candidate.

The candidate is expected to use online search(Google) and documentation available to figure out how to achieve the task.

The entire task must be completed by the candidate on their own without help/assistance from any other person.

## Task:

1. Port the following repository to a NodeJs/Express backend
2. Record all realtime events into a SQLite database (which the project currently does not do).
3. You can reuse the HTML/JS from the existing project for the front end, this project only focuses on porting the backend.
4. Database to be used is SQLite with Sequelize ORM

<https://github.com/NetEaseGame/redis-monitor>