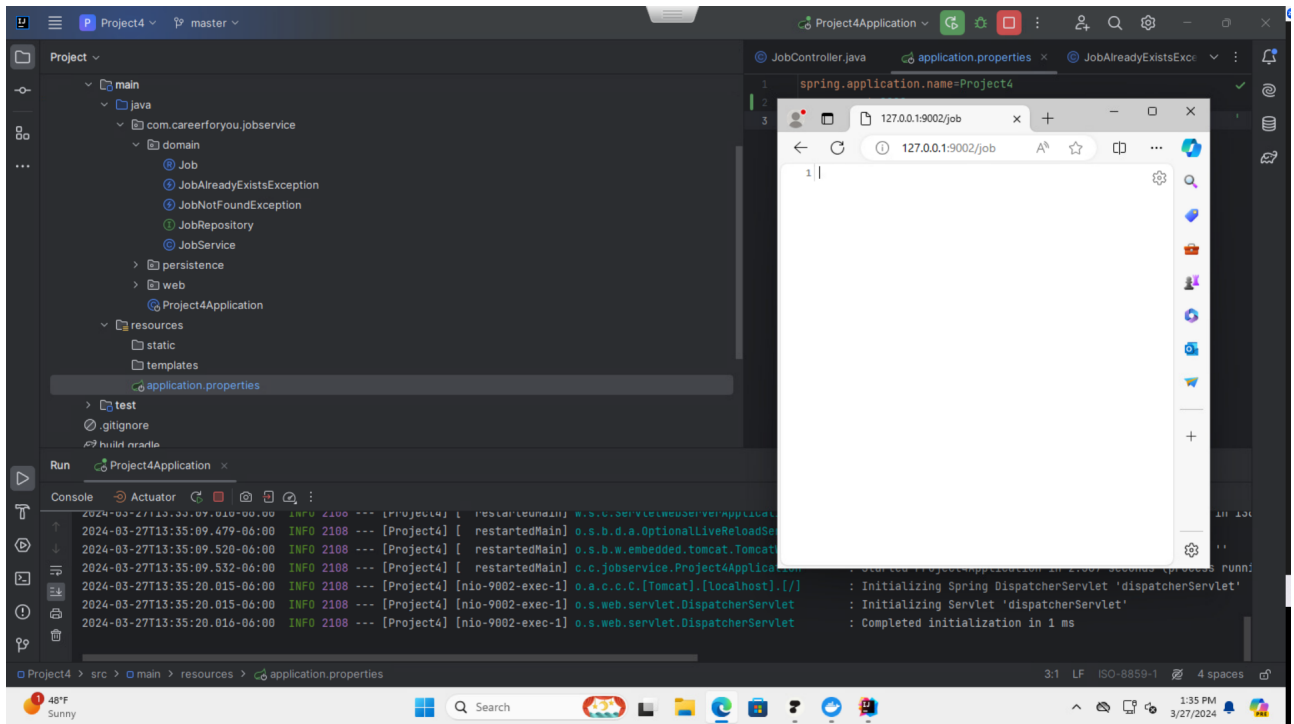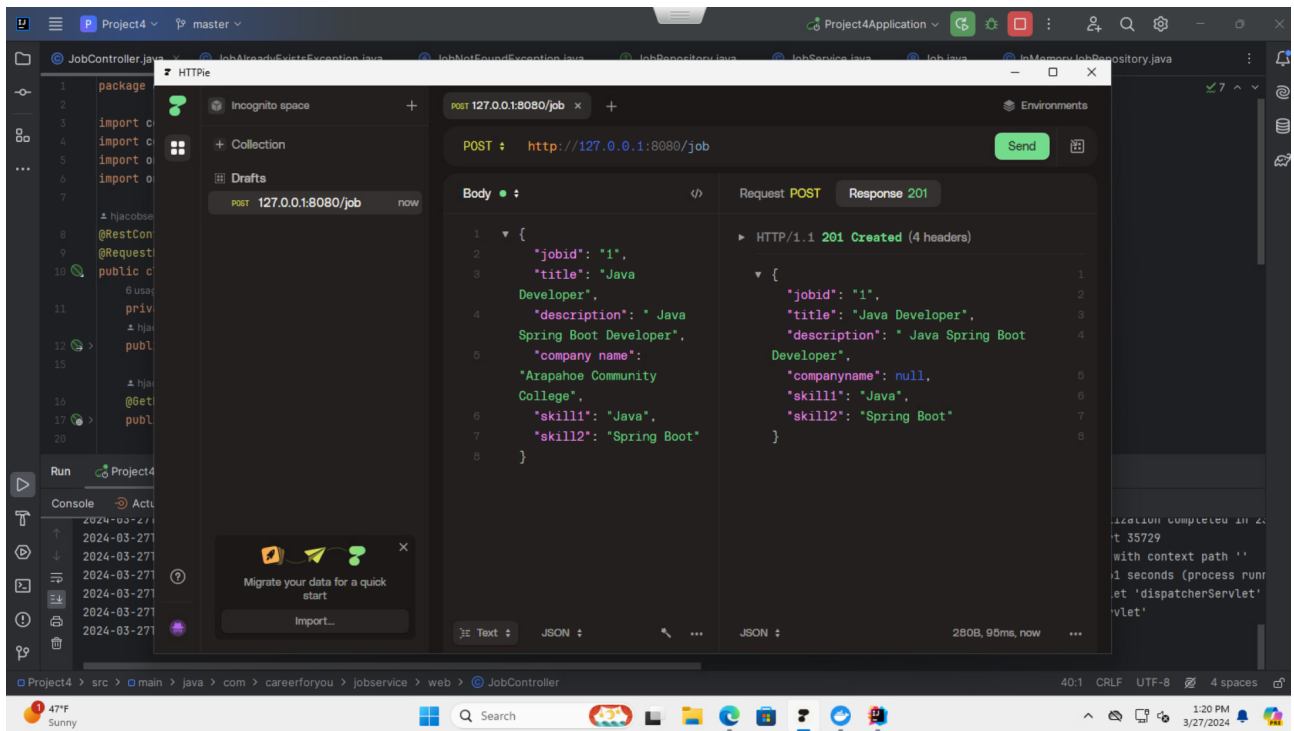# Project 4

- overview create job service API

GitHub Repo: https://github.com/Halen0Jacobsen/job_search
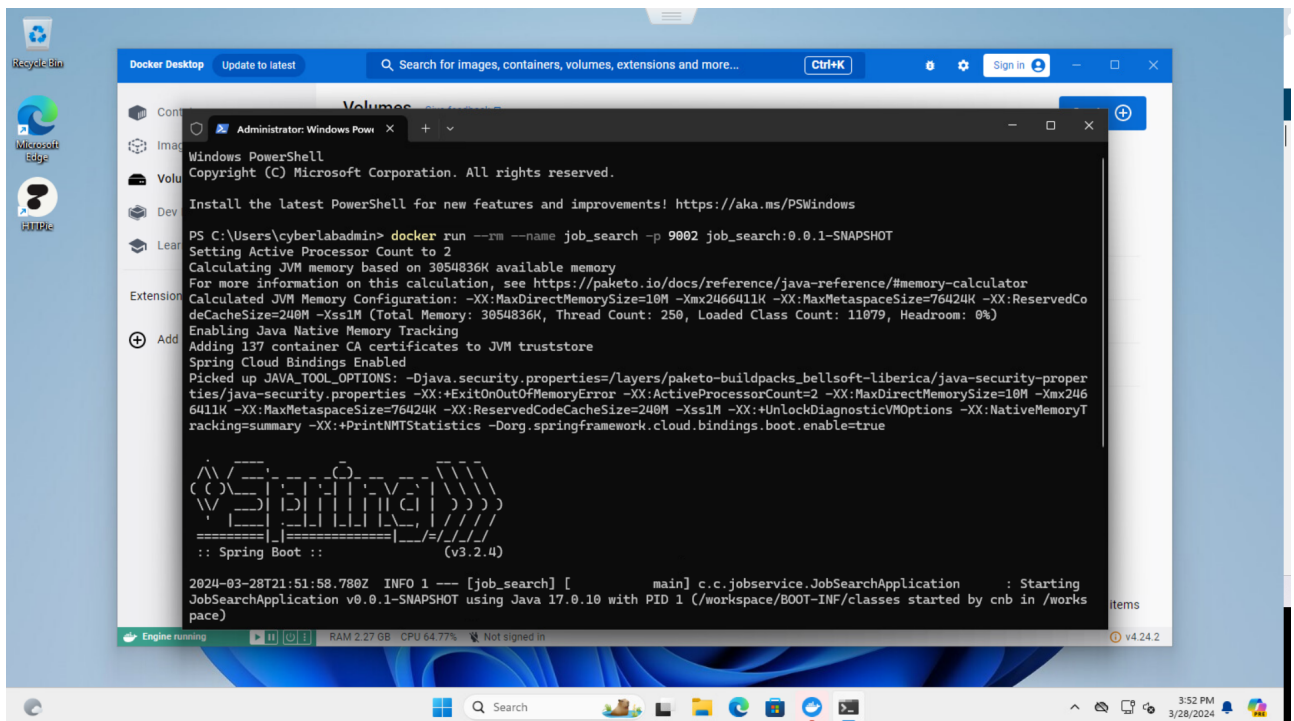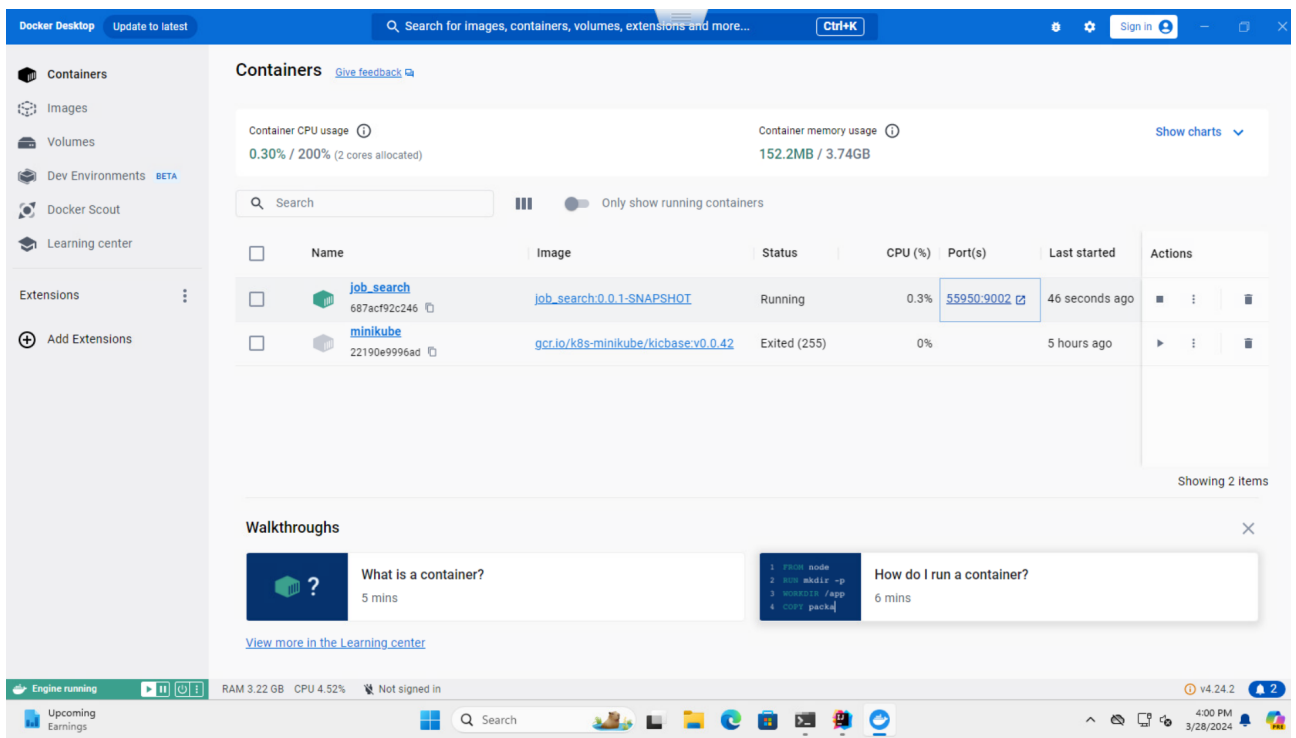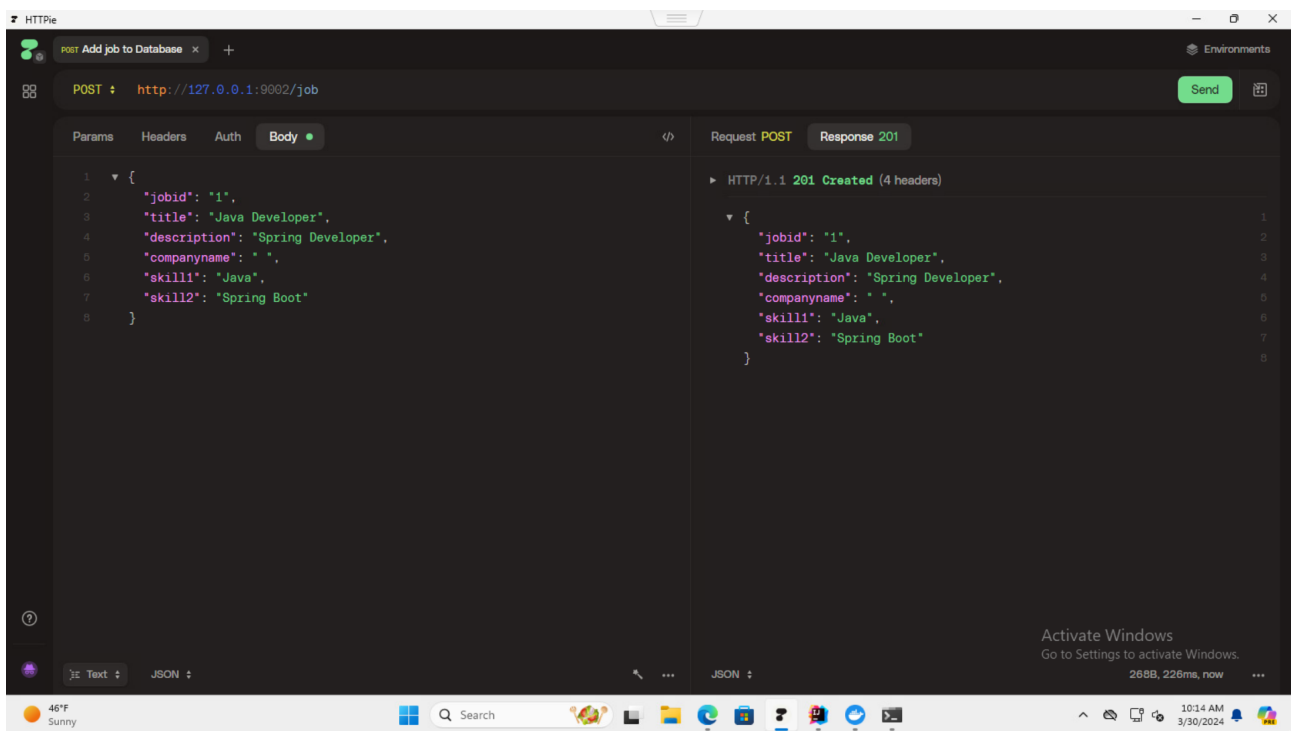
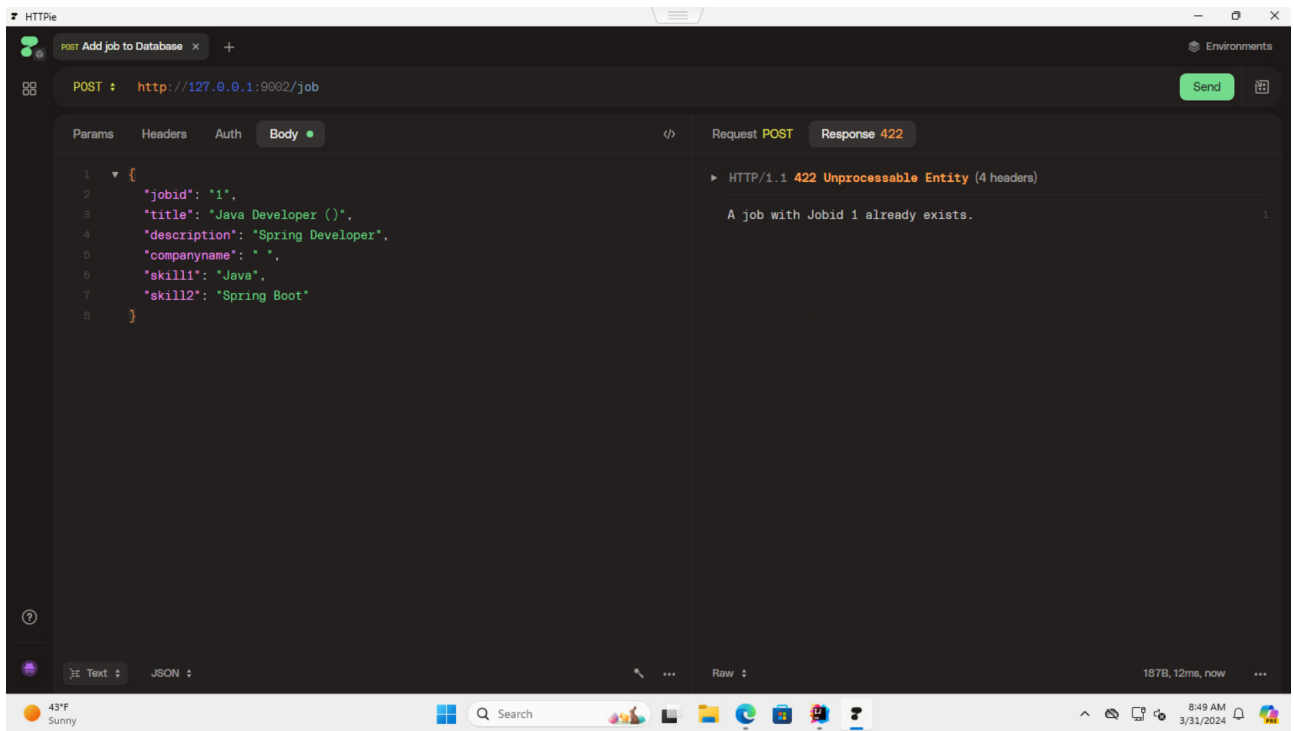test on intellij

Deploy to Docker using the command:

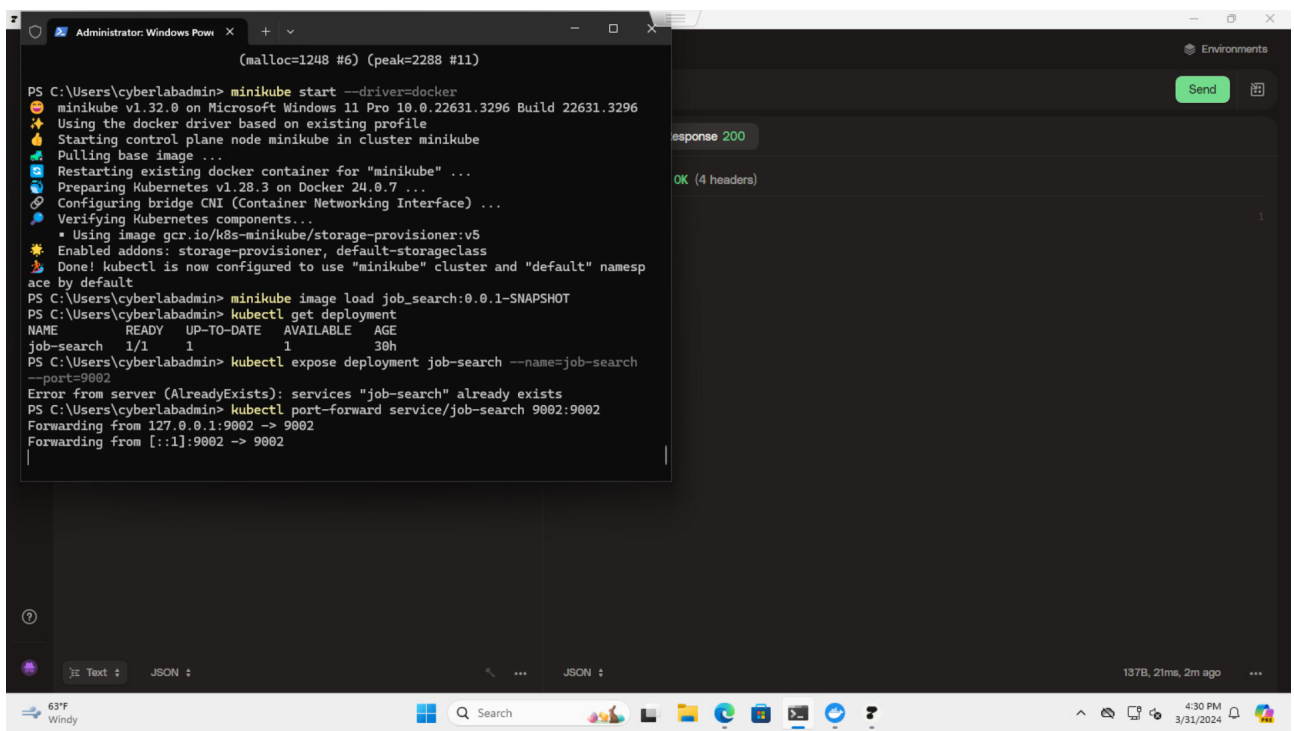- Docker run --rm --name job_search -p 9002:9002 job_search:0.0.1-SNAPSHOT

Test Docker Deployment:

Deploy to Kubernetes:

Test Kubernetes Deployment:

Top screenshot — HTTPie with browser:

POST 127.0.0.1:9002/job

POST ⇅   http://127.0.0.1:9002/job   Send

Params | Headers | Auth | **Body ●**

```
 1  ▼ {
 2       "jobid": "1",
 3       "title": "Java Developer (Senior) ",
 4       "description": "Spring Developer",
 5       "companyname": "Widespread Custom Design",
 6       "skill1": "Java",
 7       "skill2": "Spring Boot"
 8     }
 9
```

Text | JSON

Browser — 127.0.0.1:9002/job

```
 1  [
 2      {
 3          "jobid": "1",
 4          "title": "Java Developer (Senior) ",
 5          "description": "Spring Developer",
 6          "companyname": "Widespread Custom Design",
 7          "skill1": "Java",
 8          "skill2": "Spring Boot"
 9      }
10  ]
```

301B, 206ms, now

63°F Windy   4:32 PM 3/31/2024

Bottom screenshot — HTTPie:

POST 127.0.0.1:9002/job

POST ⇅   http://127.0.0.1:9002/job   Send

Params | Headers | Auth | **Body ●**

```
 1  ▼ {
 2       "jobid": "2",
 3       "title": "Java Developer",
 4       "description": "Spring Developer",
 5       "companyname": "Widespread Custom Design",
 6       "skill1": "Java",
 7       "skill2": "Spring Boot"
 8     }
 9
```

Request **POST**   **Response 422**

▶ HTTP/1.1 **422 Unprocessable Entity** (4 headers)

A job with Jobid 2 already exists.

Text | JSON   Raw   187B, 46ms, now

62°F Windy   5:03 PM 3/31/2024

```json
{
    "jobid": "1",
    "title": "Java Developer (Junior)",
    "description": "Spring Developer",
    "companyname": "Widespread Custom Design",
    "skill1": "Java",
    "skill2": "Spring Boot"
}
```

PUT http://127.0.0.1:9002/job/1 Send

Params Headers Auth Body

Request PUT Response 200

127.0.0.1:9002/job

```json
[
    {
        "jobid": "1",
        "title": "Java Developer (Junior)",
        "description": "Spring Developer",
        "companyname": "Widespread Custom Design",
        "skill1": "Java",
        "skill2": "Spring Boot"
    },
    {
        "jobid": "2",
        "title": "Java Developer",
        "description": "Spring Developer",
        "companyname": "Widespread Custom Design",
        "skill1": "Java",
        "skill2": "Spring Boot"
    }
]
```

Text JSON JSON 295B, 45ms, now

GET http://127.0.0.1:9002/job Send

Params Headers Auth Body

Request GET Response 200

HTTP/1.1 200 OK (4 headers)

```json
[
    {
        "jobid": "1",
        "title": "Java Developer (Junior)",
        "description": "Spring Developer",
        "companyname": "Widespread Custom Design",
        "skill1": "Java",
        "skill2": "Spring Boot"
    },
    {
        "jobid": "2",
        "title": "Java Developer",
        "description": "Spring Developer",
        "companyname": "Widespread Custom Design",
        "skill1": "Java",
        "skill2": "Spring Boot"
    }
]
```

Text JSON JSON 449B, 40ms, now

GET 127.0.0.1:9002/job/2 ×   +

GET ▾   http://127.0.0.1:9002/job/2   Send

Params   Headers   Auth   **Body**   ‹/›   Request **GET**   **Response 200**

1   ▸ HTTP/1.1 **200 OK** (4 headers)

                                                                                ▾ {   1
                                                                                    "jobid": "2",   2
                                                                                    "title": "Java Developer",   3
                                                                                    "description": "Spring Developer",   4
                                                                                    "companyname": "Widespread Custom Design",   5
                                                                                    "skill1": "Java",   6
                                                                                    "skill2": "Spring Boot"   7
                                                                                  }   8

Text ▾   JSON ▾   ⚙ ···   JSON ▾   286B, 45ms, now   ···

GET 127.0.0.1:9002/job/3 ×   +

GET ▾   http://127.0.0.1:9002/job/3   Send

Params   Headers   Auth   **Body**   ‹/›   Request **GET**   **Response 404**

1   ▸ HTTP/1.1 **404 Not Found** (4 headers)

                                                                                  The job with Jobid 3 was not found.   1

Text ▾   JSON ▾   ⚙ ···   Raw ▾   177B, 38ms, now   ···

HTTPie

Environments

DELETE ↕   http://127.0.0.1:9002/job/2   Send

Params   Headers   Auth   **Body**   </>

Request DELETE   **Response 204**

1

▼ HTTP/1.1 **204 No Content**

Connection   close

Date   Sun, 31 Mar 2024 23:06:35 GMT

≡ Text ↕   JSON ↕   ✎ ···   Raw ↕   83B, 33ms, now   ···

62°F
Windy   🔍 Search   5:06 PM
                                               3/31/2024