OT/Metadata Senior Software Engineer - Take-home test

Thank you for your interest with Metadata. We are excited to welcome you to the take-home test portion of the process.

OptimHire is a global techfocused remote firstcompany representing Metadata.io on their search for their next Senior Software Engineer or Software Architect to join their team.
As Talent Advisors, we will be the liaison between Metadata.io and yourself during this recruitment process. We do not use fancy tech to search through resumes at OptimHire; every resume is reviewed by a human to ensure that we attain a consistent and equitable interview process.
You will directly join the team at https://metadata.io/ if you are selected as the successful candidate.

We look forward to receiving your application!

NOTE ***** : Since they are international team, They require team members to overlap with core hours up to 11 am PST (Monday-Thursday). Please confirm your working hour will satisfy this requirement. If not, please let us know before processing with your test.

School registration system

Design and implement simple school registration system
- Assuming you already have a list of students
- Assuming you already have a list of courses
- A student can register to multiple courses
- A course can have multiple students enrolled in it.
- A course has 50 students maximum
- A student can register to 5 course maximum

Provide the following REST API:
- Create students CRUD
- Create courses CRUD
- Create API for students to register to courses
- Create abilities for user to view all relationships between students and courses
+ Filter all students with a specific course
+ Filter all courses for a specific student
+ Filter all courses without any students
+ Filter all students without any courses
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1. Please add the following emails to your private Gitlab/GitHub project
• anish.visrolia@metadata.io
• emily.hoang@metadata.io
• jaime.rojas@metadata.io
• francisco.martin@metadata.io
• dmitry.kabanov@metadata.io
• administrant@optimhire.com

2. Wrap everything in docker-compose and update README.md with following details:
• Endpoints and payloads
• How to setup project

3. Technology stack:
• Java/Groovy
• Gradle/Maven
• Spring Boot
• Docker (docker-compose)
• JUnit
• MySQL
• Other technologies or frameworks which can help you.

4. Provide unit tests at the minimum
5. Project can be stored under any version control system like GitHub, GitLab etc.
6. Code needs to be production-ready and best representing your skillset.
7. IMPORTANT: Please use the tech stack described above

If you have any questions regarding the test, please email engineering-candidate@metadata.io
or the individual email list above.

Please complete the project within 5 business days (a calendar week) and fill out the rest of this form.
We will get back to you for the next steps after we evaluating your project.

Thank you and good luck !
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