Vyne Technologies Ltd

Technical Task

Java Backend Engineer

Hello!

Thank you for showing an interest in Vyne, and welcome to our Java backend technical task. This document contains the requirements set out by our Engineering department to guide you through this stage of our interview process.

Should you have any questions please get in touch with our recruitment team or contact us via email on careers@payvyne.com

For further information about us, please visit our website at payvyne.com

Technical task overview

Write a Java application using Spring framework (or Spring Boot) which serves a REST API for an online merchant.

Requirements

Your REST API should adhere to the following guidelines:

1. Java application using Spring framework / Spring Boot
2. Build using either Maven or Gradle
3. API with context root /api and versioning
4. Transaction based model, containing an ID, transaction date, transaction status, amount and currency + an optional description as attributes
5. CRUD REST endpoints for transactions
6. Use an in-memory persistence solution of your choice
7. Use layered architecture
8. Include basic filtering on GET endpoint
9. Include API authentication (basic auth or better)
10. Include a health check endpoint
11. Include a simple test of your choice for the filtering functionality

Advice

Use your natural coding habits and don't hold back on making the general architecture of the code as sane as possible. We expect functionality first and optics after, however as we all know, our code reflects on us, so bear that in mind.

You are free to use whatever open-source library you deem necessary in order to complete the task.

There are no limitations to how you achieve the end source code, we will not ask you where it came from. We will however ask everything else about it and might ask you to extend your implementation with new features in the follow-up technical interview stage.

Submitting your project

Once you are happy with your solution to the above task, please submit it into a git repository of your choice (one to which our recruitment / engineering team will have access to) and let our recruitment team know via email to careers@payvyne.com