

Assignment - JAVA Engineer

Task

Build a backend service that handles a (very simple) recruiting process. The process requires two types of objects: job offers and applications from candidates. minimum required fields for the objects are:

Offer:

- jobTitle (unique)
- startDate
- numberOfApplications

Application:

- related offer
- candidate email (unique per Offer)
- resume text
- applicationStatus (APPLIED, INVITED, REJECTED, HIRED)

Not all of the fields have to be persisted. These are the fields that must be returned by the API. You may add fields where necessary.

Use cases

- user has to be able to create a job offer and read a single and list all offers.
- candidate has to be able to apply for an offer.
- user has to be able to read one and list all applications per offer.

Technical requirements

The service must run standalone and must not require any third party software to be installed. the service must communicate Json over http (REST). return proper status codes for the most common problems.

Things we are looking for

- clean code
- Java 8
- Rest API standard
- use of any framework
- structure of the project
- basic Junit test

Do not focus on additional aspects like authentication, authorization or anything from front-end or other interacting services. If something is not clear add reasonable assumptions & go with them.