Worko.ai

Backend Internship

NodeJs assignment

OVERVIEW

Worko is hiring API developer interns in NodeJs. Candidates are requested to complete this assignment before applying for this internship. Applications without assignment will not be entertained.

GOALS

1. Assess candidate code writing for backend services skills
2. Candidate self learning skills and managing delivery skills

SPECIFICATIONS

Worko is building a product to help Job seekers to request for referral from multiple companies they are interested to work in. They can use any job description url to request referral for. At the same time candidates have options for requests for services like resume review, interview handhold, career guidance, mock interview.

MILESTONES

Backend API Setup

1. Create a NodeJs project with MVC architecture
   a. Create controller layer
   b. Create Service layer
   c. Create DAO layer
   d. Create Models for CRUD operations
   e. Create DTO for Request and response
   f. Add Validator framework
2. Create API:
   a. Create API for resource /worko/user

              i.   GET – list user

             ii.   GET - /worko/user/:userId - get user details

           iii.   POST - create user

           iv.   PUT - update user

             v.   PATCH - update user

           vi.   DELETE - soft delete user in DB

b. Required Payload for User

              i.   Id (Generated)

             ii.   Email

           iii.   Name

           iv.   Age

             v.   City

           vi.   Zip code

c. Validate following fields on API call

              i.   Email

             ii.   Zip Code

           iii.   Id - in case of POST/PUT/DELETE

d. Persist User Information in Database

              i.   Choose DB of your choice (NoSql is preferred)

             ii.   Read DB config from Environment variable

e. Write Unit tests with at least 60% coverage

f. Prepare Readme/getting started guide

Authentication

1. Implement basic authentication for all the APIs

Node Module

1. Express
2. Joi
3. Webpack
4. dotenv

Note: *Adding more feature is welcome*