

Hurdle Task: Junior Software Developer

Objective: To assess your web technical and problem-solving skills as well as abilities to commit code to a remote repository.

Note: All Task are correlated and please read them together and perform them together.

Submission: Please submit your task via the [online submission form](#) with the subject line "[Your Full Name] - **Junior Software Developer Hurdle Task Submission**" within the next three days.

Task 1: Simple Web Application Feature

Background: At NagaEd, we strive to revolutionise education through innovative technology solutions that empower learners and educators. As an EdTech company, our focus is on creating user-friendly applications that enhance the learning experience and streamline educational processes. As a Junior Software Developer position at NagaED, we are asking you to develop a basic feature for our web application.

Instructions:

1. **Feature Description:**
 - Create a simple "Contact Us" form that includes fields for name, email, and message.
 2. **Functionality:**
 - The form should validate input (e.g., ensure fields are not empty and the email format is correct).
 - Upon submission, display a success message and log the input data to the console.
 3. **Technology Stack:**
 - Use HTML, CSS, and JavaScript for the implementation.
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Task 2: Build a Simple API

Background: At NagaEd, we focus on enhancing educational experiences through innovative technology. As a Junior Software Developer with us, create a basic RESTful API which integrates our applications and provides seamless access to educational resources.

Instructions:

1. **API Functionality:**
 - Develop an API that manages a list of courses, allowing for basic CRUD (Create, Read, Update, Delete) operations.
 2. **Requirements:**
 - Implement endpoints for adding a course, retrieving all courses, updating a course by ID, and deleting a course by ID.
 - Use a simple JSON format for the course data (e.g., title, description, duration).
 3. **Technology Stack:**
 - You can use Node.js, Python or any backend framework you are comfortable with.
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Task 3: Upload your project to Git

Background: Understanding Git is an essential part of development workflow, this will help us understand your knowledge on git & code version control

Instructions:

1. **Keep the repo public**
 2. **If additional config required please add instruction to the ReadMe file.**
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Submission Instructions:

1. Zip your project or add your git repo link in the document and upload it in the submission form.
2. Ensure your name and contact details are on the first page of the document.
3. Review your responses for clarity, grammar, and coherence before submission.
4. Submit your task via the online submission form at <https://forms.gle/5nXtuDKGrgqUCnx1A>