



FULL STACK INTERN ASSESSMENT

Assignment: Build a Blog Application

Requirements:

- The application should allow users to create, view, and manage blog posts with the following features:
 - User authentication using email and password.
 - Only logged-in users can create blogs.
 - Each blog should have a title and content.
 - Once published, blogs should be viewable by everyone (even unauthenticated users).
 - There should be a public page that lists all blogs with pagination.
 - Blogs should be stored in a SQL or NoSQL database.
 - The application should be responsive and work on both desktop and mobile devices.
- The application should be built using a front-end framework such as React, Angular, or Vue and a back-end framework such as Laravel, Django, or Spring boot.
- The application should be hosted on a cloud-based platform such as AWS, Google Cloud, or Azure.

Instructions:

- Choose a front-end framework and a back-end framework to use for the project.
- Build the user interface of the application using the front-end framework. The following pages are required:
 - Signup / Login page
 - Blog creation page (accessible only to logged-in users)
 - Blog listing page (public, with pagination)
 - Blog detail page (public, shows full content)
 - Blog edit/delete options (only for blog authors)
- Build the backend API of the application using the back-end framework. Include endpoints for user authentication and blog CRUD operations.
- Connect the front-end and back-end of the application using HTTP requests.
- Test the application thoroughly to ensure that it works as expected.
- Deploy the application to a cloud-based platform.

Submission:

- Submit the source code for the application on a version control system such as Git.
- Include a README.md file with instructions on how to run the application.
- Deploy the application to a cloud-based platform and provide the URL.
- Create a short video recording on Loom, walking us through the assignment.



Note: This assignment is designed to test your skills in building a full-stack web application with authentication, data persistence, and RESTful APIs. We are looking for clean and efficient code, attention to detail, and the ability to work with both front-end and back-end technologies. Good luck!

Timeline - 2 working days

Submission - On email