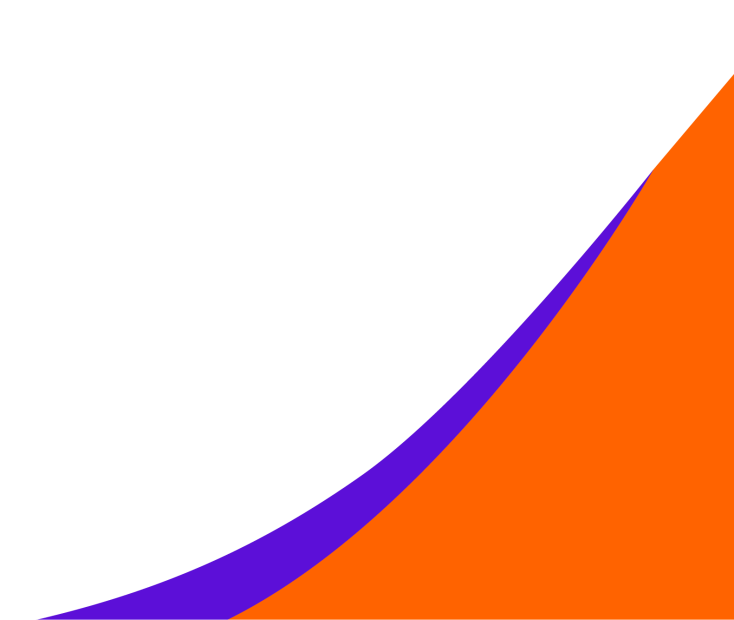


**Interview Task – Full Stack Developer**



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# Objective

Design and implement a web-based blogging platform where users can create, publish, and manage their blog posts. The platform should allow users to register, log in, create blog posts, view and edit their posts, and display the published posts to the public.

# Requirements

1. User Registration and Authentication:
   1. Users should be able to register with the platform using their email and password.
   2. Implement an authentication mechanism to allow registered users to log in securely.
2. Create and Manage Blog Posts:
   1. Once logged in, users should be able to create new blog posts with a title, content (max 300 words), and optional tags.
   2. Users should be able to view and edit their own posts.
   3. Implement a feature to allow users to delete their posts
3. Public Blog Display:
   1. Visitors should be able to view all published blog posts on the platform. Order can be based on relevance, latest, or post categories.
   2. Implement a search functionality to allow users to search for blog posts based on tags or keywords.
   3. Optional – Posts can be Liked/Disliked, and this should be shown to everyone.
   4. Optional – Users should get live updates when blog posts are made.
4. User Interface and Design:
   1. Design and implement a user-friendly and responsive interface for the blogging platform with the relevant pages.
   2. Use appropriate technologies and frameworks to create a visually appealing design which adheres to the requirements.
5. Security:
   1. Implement necessary security measures to protect user data and prevent common security vulnerabilities
6. Documentation:
   1. Provide detailed documentation on how to set up and run the application.

Guidelines

* You are free to choose any programming language, framework, or technology stack for the implementation. (Java, Python, Reactjs, Nodejs would be good to have)
* It is recommended to use a database to store user information, blog posts, and related data.
* Focus on code quality, maintainability, and scalability of the application.
* You may use third-party libraries or frameworks, if necessary, but clearly mention any dependencies.

# Deliverables

* Source code of the blogging platform, including all necessary files and resources via **GitHub**.
* Documentation explaining the design, implementation, and how to run the application.
* Host the application and share a link to access/use the project
* Briefly explain any additional features or improvements you would consider if given more time.

# Useful Links

* <https://blog.heroku.com/deploying-react-with-zero-configuration>
* <https://devcenter.heroku.com/articles/deploying-spring-boot-apps-to-heroku>
* <https://learning.postman.com/docs/sending-requests/authorization/#bearer-token>

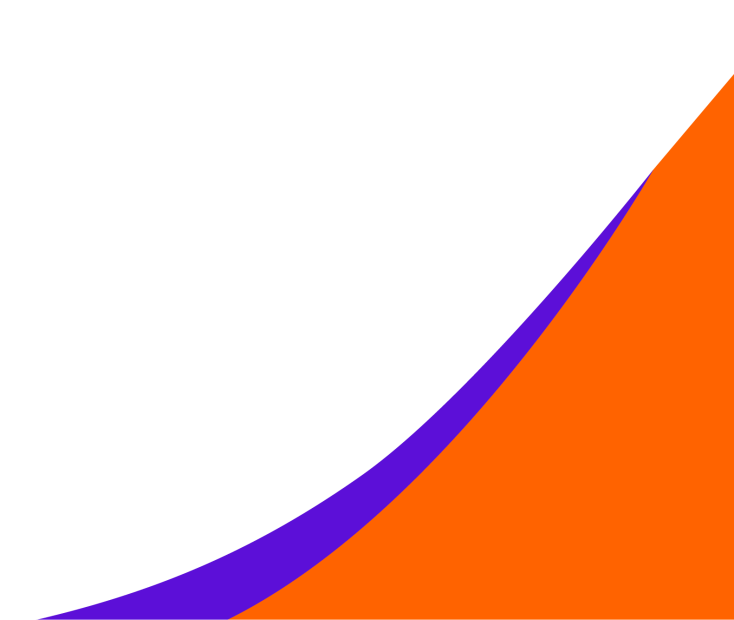
**Note**: We are looking for your understanding of the problem, your approach to solving it, and your ability to design and implement a basic version of the blogging platform, with all requirements met.

Please complete the task within the given time frame and submit the deliverables for evaluation. All the Best!

**Thank You!**

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