

Front-End Developer Role

Job Description

We are seeking a skilled **Front-End Developer** to join our dynamic team in enhancing our existing **React TypeScript application**. The ideal candidate will be responsible for developing a new page or function, meticulously integrating design elements from **Figma**. This role requires proficiency in **React, TypeScript, and Tailwind** and familiarity with **Postman, GitHub, Docker, and Nginx**.

Key Responsibilities

- Develop a new feature within our **React application**, ensuring seamless integration with provided **Figma** designs.
- Ensure the new page or function aligns with the existing application's structure and **API interactions**.
- Collaborate closely with the development team to **maintain code quality and consistency**, utilizing GitHub for version control and Jira for task management.
- Test functionality with **Postman** and deploy changes using **Docker**, ensuring high performance and responsiveness across devices.

Qualifications

- Strong expertise in **React and TypeScript**.
- Experience with **Postman, GitHub, Jira, and Nginx**.
- Ability to translate design elements from **Figma** into functional UI components.
- Proficiency in integrating **UI elements** with existing application **APIs** and functionality.
- Excellent **problem-solving skills** and attention to detail.

Test Task for Front-End Developer Role

Objective

Create a simplified version of a feature for a **React TypeScript application**, focusing on integrating basic UI components and functionality. This task is designed to assess your skills in React, and TypeScript, and your ability to translate design concepts into functional application components.

Task Description

You are to develop a mini-application or a specific feature within an existing application framework. The feature should include the following elements:

- **Radio Selection Buttons**
 - Implement a set of radio buttons that allow the user to select between three options (e.g., "Option A", "Option B", "Option C").
 - Selected option should be stored in the application's state.
- **Text Box for Discount Code Entry**
 - Create a text box where users can enter a discount code.
 - Include basic validation to check if the entered text follows a simple pattern (e.g., "DISCOUNT2024").
- **Button to Simulate Discount Code Generation**
 - Implement a button that, when clicked, generates a mock discount code (e.g., "NEWCODE123") and displays it to the user.
 - The generated code doesn't need to be stored.
- **Basic Note Field**
 - Add a text box where users can enter notes or comments.
 - Ensure the text entered is accessible in the application's state.

Requirements

- Use React for UI development and Redux for state management.
- Style the components using Tailwind for a polished look.
- Ensure the application is responsive and functions well on both desktop and mobile devices.
- Write clean, maintainable code, with comments where necessary to explain complex logic

Evaluation Criteria

- Adherence to the task requirements and completion of the outlined features.
- Code quality, including readability, structure, and use of best practices.
- Visual appeal and usability of the UI components.
- Effective use of React, and Tailwind.

Submission Guidelines

- Host your code on GitHub and provide a link to the repository.
- Ensure the README file includes instructions on how to set up and run your application.
- Document any assumptions or decisions you made during the development process.

Time Allocation

You have **2-3 hours** to complete this task. Please submit your work by the end of the allotted time, even if all components are not fully polished. We are interested in seeing your approach and prioritization within the given time frame.