

UNVEILING THE ULTIMATE REACT APP SOLUTION

Hello, my name is Ketevani, and I'm passionate about building user-centric web applications. I specialize in front-end development, particularly with React.



Today, I'm excited to present to you a React app that I've developed, which showcases a personal portfolio. The app is designed to highlight the professional background of an individual – in this case, it's me. It's targeted at recruiters and potential clients who are interested in exploring my work and expertise. The major features include a visually appealing home page and a detailed inner page that provides more insights into my projects and skills.

Home Page

As we walk through the Home page, notice how it serves the user story of wanting to quickly understand my professional persona and get intrigued to **Know more.**

Ketevan Tsiskaridze
Programmer. FrontEnd Developer



[Know more](#)

Code Explanation

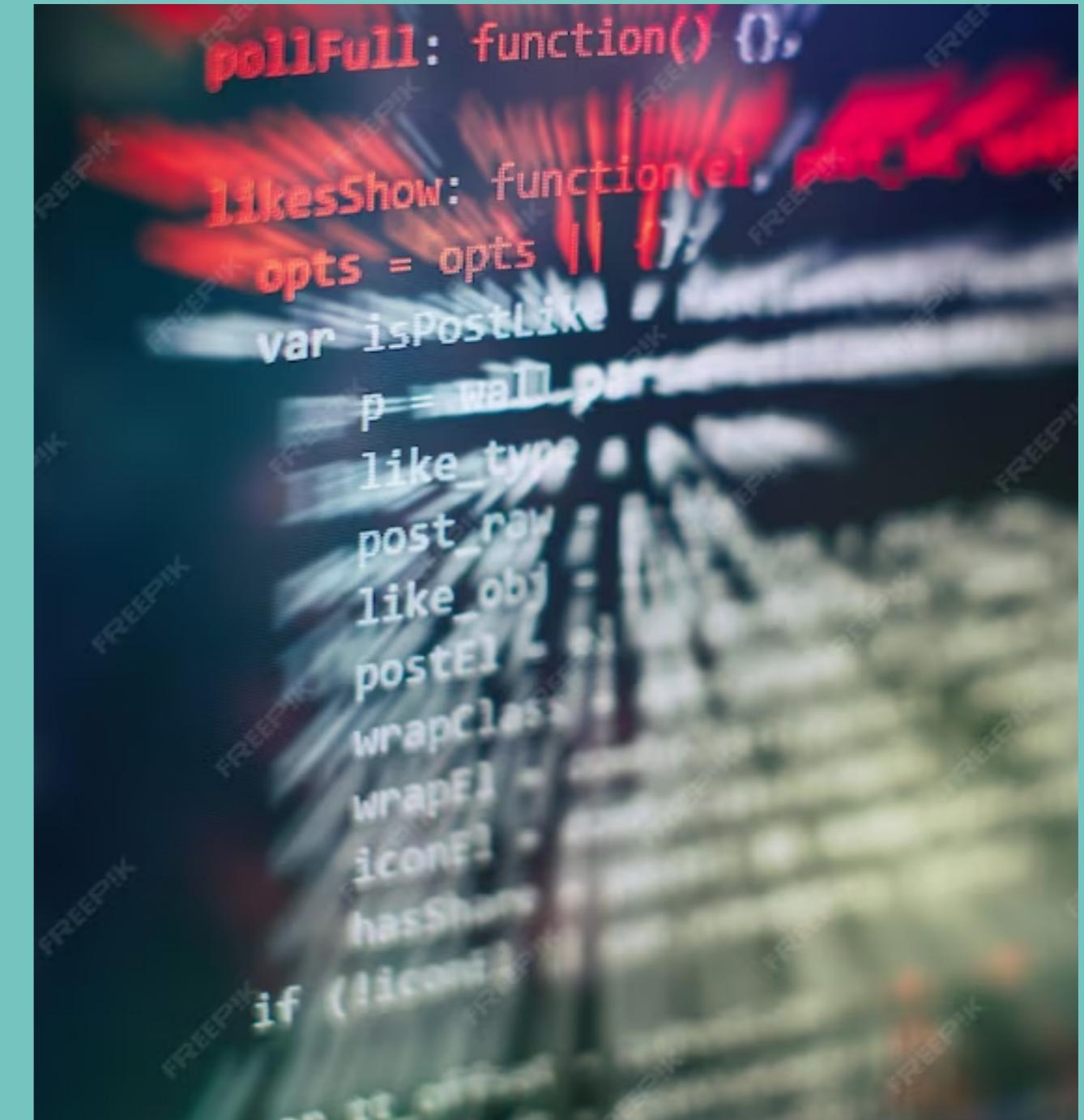
Under the hood, the Home component utilizes React Router's **useNavigate** for smooth navigation

Navigation is a breeze with React Router. The **App.js** sets up our routes, defining the Home and Inner pages. It's a simple yet powerful setup that facilitates my single-page application behavior.

Initialization of the app in **index.js** includes setting up a mock server for development purposes, enabling me to simulate backend functionality. I also wrap my app with a Redux **Provider** for global state management, which keeps my app's state predictable and easy to manage.

PhotoBox

The **PhotoBox** component is a key part of my app, designed with flexibility in mind. It can switch between a detailed view on the Home page and a summarized view on the Inner page, controlled by the **viewType** prop. I've also integrated PropTypes for robust type checking, ensuring my components are used correctly throughout the application.



Button

The **Button** component is another reusable element in my app. It's flexible enough to include an optional icon through FontAwesome, a feature that I can leverage in various parts of the application if needed



Introduction to the Inner Page

1. About Me Section
2. Educational Timeline
3. Professional Expertise
4. Skills
5. Showcasing My Work(portfolio)
6. Getting in Touch(Contacts)
7. Feedback and Endorsements
8. Navigation(panel)



Ketevan
Tsiskaridze

About me

Education

Experience

Skills

Portfolio

Contact

Feedback

About me

I am a passionate and detail-oriented professional with over 5 years of experience in the tech industry. My expertise lies in the application of modern web technologies to build secure, scalable, and high-performing web applications. I am a team player who synergizes well with others and has a strong background in back-end development. My extensive experience in front-end web development, combined with a creative and analytical approach, has augmented my substantial expertise. I have completed several advanced training, including the prestigious Google Developer Experts program, to hone my skills in building efficient and user-centric digital solutions.

Education

2015	Dentist
	I have graduated fro

Responsive Side Panel

The **Panel** component is a significant feature of the Inner page. It toggles based on screen size and user interaction, thanks to the React ***useState*** and ***useEffect*** hooks for responsiveness

The **Navigation** component, with its dynamic highlighting feature, enhances the user experience by showing the current section in view. It uses a combination of state management and DOM references to determine which section is active.

Accessibility features are implemented throughout, and the **scrollToElement** function in the **scroll.js** module provides seamless navigation, ensuring that users can easily navigate through the sections with smooth scrolling behavior.



About Me

The **About Me** section of the application is a personal narrative that outlines my professional journey and areas of expertise

- It uses a **Box** component for consistent styling across different sections of the app
- In the content, I emphasize my passion for front-end development and my continuous learning path in the tech industry.
- I also merge my unique background in dental medicine with my current tech expertise, showcasing a diverse skill set and a distinctive problem-solving approach.
- Visually, this section is designed to be welcoming and professional, mirroring the high standards I maintain in my work.

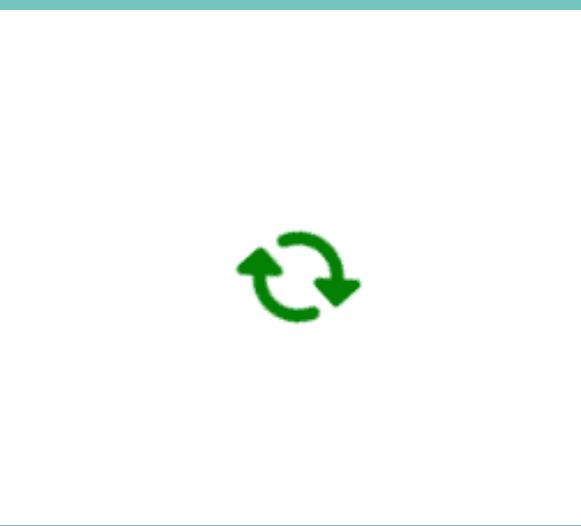
Professional Expertise

It is a concise and styled list of professional experiences is rendered. Each experience is detailed with a company name, date, job title, and description.



- The expertise data is a static array defined in **Expertise.js**, which can be easily replaced with dynamic data.
- The experiences are **mapped** over and rendered in a clean and readable format for users.
- Styling is handled through SCSS, ensuring a visually appealing layout.

Education Timeline



The **TimeLine** component dynamically loads and displays education history. Utilizing Redux for state management, the education data is fetched from the server and updated in the global state. The component handles loading, success, and error states, gracefully providing feedback to the user.

Education

2023

FrontEnd

Enhanced Front-End development e.g. EPAM's upskill program, staying abreast of current trends and methodologies in the field.

- React Hooks (**useEffect**) to dispatch the **fetchEducation** action on component mount.
- Redux **useSelector** to access the education data from the store.
- Dynamic rendering based on fetch status - loading spinner, error messages, or the timeline data.
- Education entries populated by MirageJS in **server.js**, simulating a real database.

Skills

The **Skills** component allows users to add and visualize their skills range in a responsive and interactive manner.

- Utilizes Formik for form handling and Yup for validation, ensuring data integrity when adding new skills.
- Redux useSelector and useDispatch to manage and update the skills state.
- A local storage mechanism to persistently store and retrieve the skills data.
- Axios is used for API calls to fetch and post skills data, mimicking server interaction.

Redux Logic:

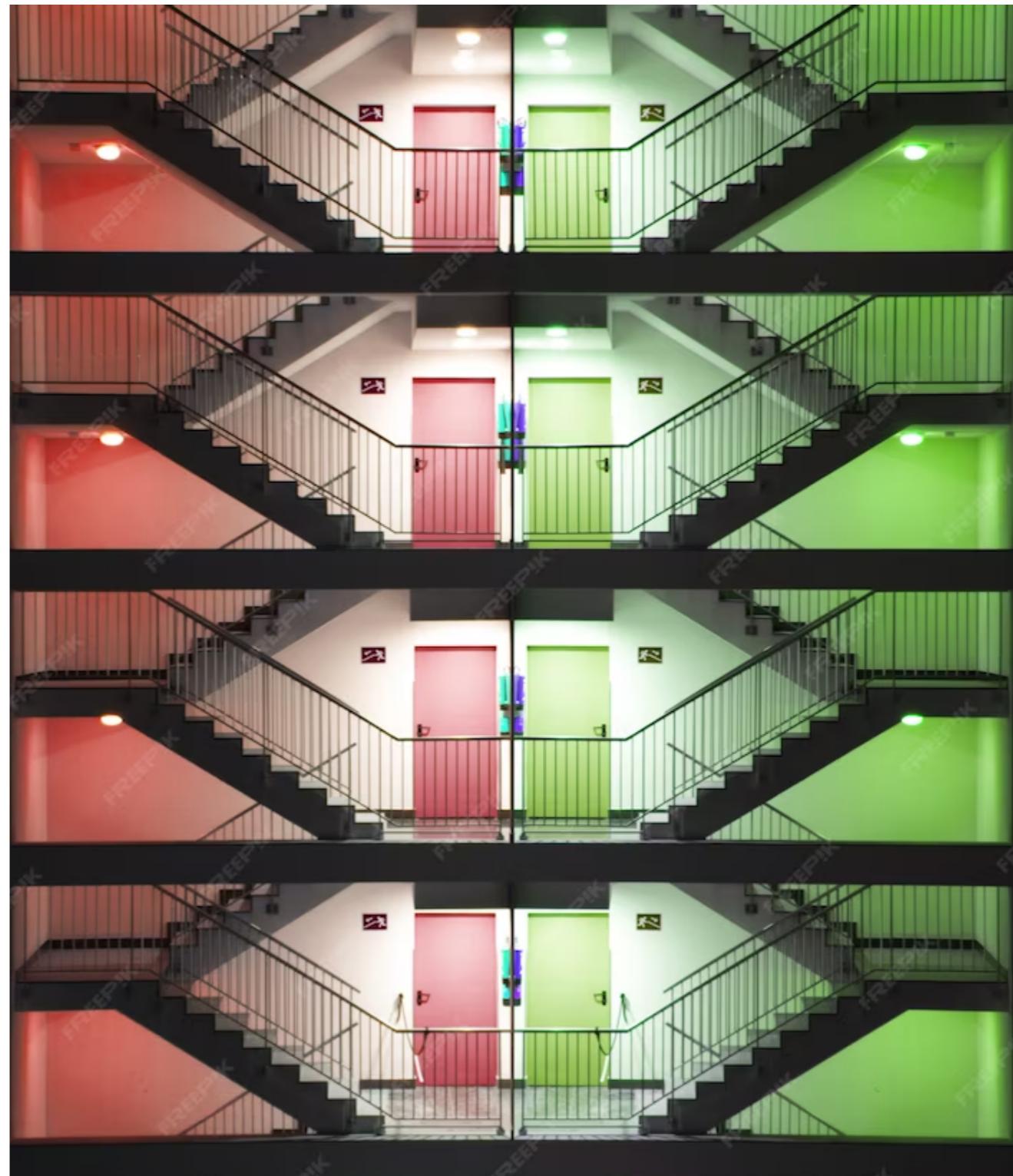
- The **skillsSlice** manages the skills-related state and contains asynchronous thunks for fetching and posting data.
- State slice includes status flags to signal operation states, which the UI responds to accordingly.



Redux Store Configuration

The **Redux store** is set up to combine the different reducers from our features.

- Combines **educationReducer** and **skillsReducer** using **configureStore**.
- Ensures that our React application has a centralized state management setup.
- Allows for easy state debugging and middleware integration.

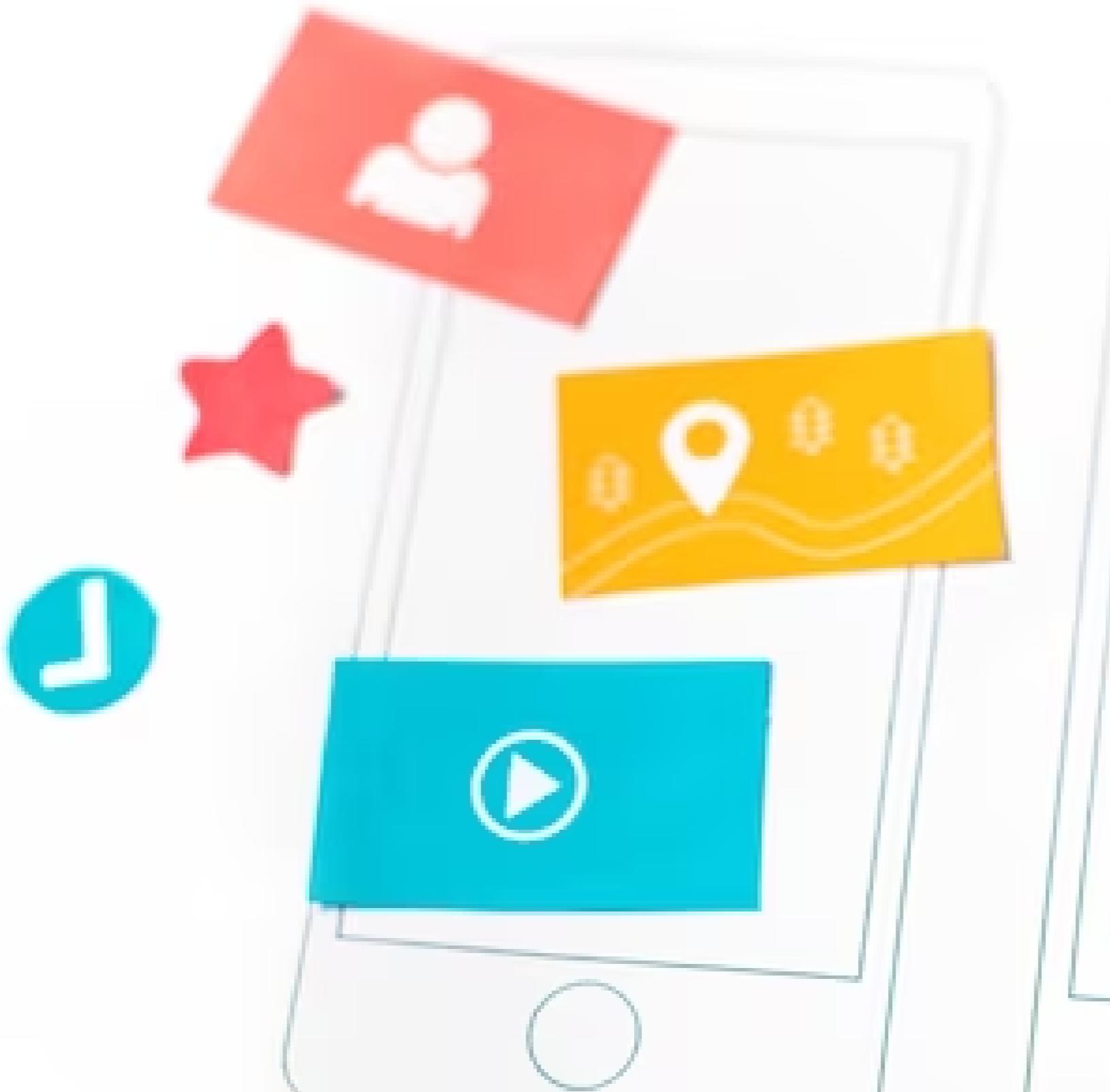


Portfolio Component

The **Portfolio** component is dynamic, driven by a state that controls which projects are displayed based on user interaction. It utilizes a combination of **useState** for managing local state and **useEffect** for fetching project data from the **mock API**. Projects are rendered using a map function, ensuring each project's data is cleanly presented through a ProjectCard component.



Contact



In components/address/index.js, we see the Contacts component being used within a section. Here, I pass the actual contact details as props to the Address component. This modular approach enhances readability and maintainability.

I have Address.js in our modules directory, which is responsible for rendering the contact information. It uses FontAwesome icons for a visually appealing presentation of phone, email, and social media links. The implementation leverages React props to dynamically render the contact details, making the component reusable and easy to update.

Feedback

In `feedbackData.js`, we have an array of feedback objects, each containing the user's feedback, their photo URL, name, and a citation URL. This structure makes it easy to manage and update the feedback content.

Moving to `components/feedback/index.js`, this component takes the feedback data as a prop and renders it dynamically. Each feedback item is presented with the user's photo, name, and their feedback, enhancing the personal touch of each testimonial. The component is designed to be responsive and accessible, with clear visuals and readable text. An important feature here is the 'Scroll to Top' button, which uses Font Awesome for its icon. When clicked, it smoothly scrolls the user back to the top of the page, improving the overall user navigation experience. Visually, the Feedback section is crafted to be engaging and user-friendly. It showcases real feedback in a format that's easy to browse, allowing users to connect with the experiences of others.



Testing and Debugging

Testing is essential for ensuring that our application is reliable and works as intended. It helps us to catch bugs early in the development process and simplifies future code changes by providing a safety net.

React Testing

A photograph showing a laptop screen in the background displaying code, a smartphone in the foreground, and a pen resting on a piece of paper with some handwritten notes.

For our React application, I've integrated **Jest**, a delightful JavaScript testing framework with a focus on simplicity. It's already set up when I create a new app with Create React App, providing a seamless testing experience.

I've defined a coverage threshold in my Jest configuration to enforce a minimum standard for my tests. This ensures that a certain percentage of my codebase is covered by tests before it can be merged into the main codebase.

To maintain high-quality code, I use Husky to add a pre-commit hook that checks test coverage. This step ensures that no code gets committed without meeting my coverage criteria.

I've also added a `test:coverage` script to my `package.json` to easily run tests with coverage reports. This allows me to quickly check if my code meets the coverage requirements.

CONCLUSION

We've journeyed through the various facets of this React application, from the welcoming and intuitive Home page to the comprehensive Inner pages detailing my professional journey and skills. We've delved into the technical intricacies of React, exploring how components like Portfolio, Contacts, and Feedback not only enhance user experience but also embody the principles of modern web development. We've seen how Redux enhances state management across the application and how testing with Jest and Husky ensures reliability and quality in every line of code. This application is more than just a showcase of my professional background; it's a testament to the power of React and modern development practices. It embodies a journey of learning, growth, and a deep commitment to building high-quality, user-centric web solutions.

Thanks!

Do you have any questions?

ketitsiskaridze@gmail.com

+995 557727788

