

GitHub API Integration Challenge

Build a GitHub Profile Explorer that lets users search and view GitHub profiles and repositories through the GitHub API. Please keep it simple, make it work, and show us your coding style!. Ready, set, code! Submitting your work

After you finish the challenge, please respond to the email from our representative with the link to your submission's Github repo; also share the live demo link

Requirements

- Use **Next.js** and **Typescript** to complete this challenge
 - <https://nextjs.org/docs/app/getting-started>
- The **main screen** should have an **input field** where users can **enter a GitHub username**.
 - Example: If someone types "octocat", it should query <https://api.github.com/users/octocat/repos>
- Fetch the user's information using the **GitHub API**
 - <https://docs.github.com/en/rest/quickstart>
- Show the user's profile picture/avatar
- Display the user's basic information
- List all repositories belonging to that user
- Each repository should show relevant information (e.g., name, description, stars)
- Add a feature to compare two users on various metrics: commit frequency, number of repos, etc.
- Add a feature for summarizing and analyzing a user's GitHub profile. the summarizing and analyzing should be done by AI .
- Add a feature to save notes about a user profile, or notes about a specific repo in their Github account. Notes should be shown once a user accesses the web application
- Deploy your next.js app to Vercel (or any other platform of your choice), and don't forget to share the live demo link with us.

Evaluation

- ✓ Your code works (does it do what it says it does)
- ✓ Your code cleanness and organization
- ✓ Your code is performant (will the code perform at varying degrees of scale)
- ✓ Your code is readable (is the code readable)
- ✓ Your code reflects your skills

The goal is to show you can create a cohesive application where client and server components work harmoniously. Whether implementing efficient state management, optimizing API calls, or creating clean UI - demonstrate your ability to think through the entire stack!