

Anywhere (Full stack Challenge)

Project Spec:

NumVerify is a free API that allows you to verify the validity of a phone number and provide information about it.

Create a full-stack application using (React and Redux) for the frontend part, and (Express.js or Nest.js and MongoDB) for the backend.

API link: <https://numverify.com/>

Frontend Part:

- Login Page.
- Only logged-in users should be able to access the Search Page. Create a log-in button on the login page that allows the user to log in with any username or password. Create a Higher Order Component (HOC) called `requireAuth` that only shows the search component to logged-in users and redirects non-logged-in users to the login page.
- A history page to display all of the numbers entered into the system and their results, this page should also have filters (phone number, date, status, etc.).
- The whole challenge should be responsive and can fit to any screen size.
- The application must be built using reusable components as much as you can.
- Use CSS3 and your preferred server-side CSS pre-processing platforms, such as LESS and SASS.
- Prepare your application to be translated in the future using the i10n concept and packages.
- Use your favorite test library to apply unit tests and integration tests to verify your code.
- There is no restriction on the colors and the fonts. (Use your own favorites)

You are free to use any package in React.js. If you choose a framework that generates boilerplate code, please specify in the README which code was written by you.

Backend Part:

- Create a web service that will be used to search for phone number.
- Create a web service that will be used to save search result.
- Create a web service that will be used to retrieve all history data.

Delivery:

- Upload your code to a GitHub account, send the URL and specify the time you spent writing the challenge.
- Video for the UI.
- (Optional) Deploy the challenge into one of the free platforms (Example: <https://www.heroku.com/>).

Be aware that we will mainly take into consideration the following evaluation criteria:

1. How clean and structured your code is.
2. How you follow Best Practices in your code.
3. If you implemented the business rules correctly.