Elint Tech Challenge - Front End 2021.1

The proposed challenge's main goal is to measure your ability of solving **real-world problems quickly and efficiently**. The scenario is:

A multinational company called DRW Business reached out to you and your team to help them to track and document their competitor's numerous ecommerce sales campaigns. They want a platform that enables users to intuitively visualize the latest banners, as well as drill down into some metadata from these images and possibly filter/sort images by store. This is a good suggestion of what your team expects regarding overall layout.

Your fellow data scientists have already developed an adaptive data scraper that aggregates promotion banners from any ecommerce website, storing images into a S3 bucket and metadata in a SQL database.

You have access to both resources. More details and access credentials can be obtained directly from our Discord server, in the **#hackathon** channel.

It's up to you to build a demo webapp to showcase your team's new product. Use your imagination in order to deliver the best user experience and polishment, but the goal here is to be efficient and keep it simple. You are free to use any programming language and frameworks of your choice (although we recommend React, Django, Flask and Vanilla ES6), but you must either deploy a running instance by the end of the challenge or record a local demo commenting a bit over your progress. It can either be a one-pager, progressive web app or sitetree-based website.

Requirements:

1. Request data from database.
2. Request files to S3 bucket.
3. Displayed data in a nice format to the user.
4. Shape your user's experience using your best judgement.
5. Aesthetic.

You colleagues requested that you create a general visualization page, which can then drill down into individual image thumbnails to access further metadata, but you're free to give it your twist.

As quoted by Ralph Waldo Emerson:

"It's not the Destination, It's the journey."

If by the end of the deadline you still haven't completed the whole project scope, don't be afraid to present us what you learned along the way. Sometimes, a single breakthrough in a specific part of the project can be way more impactful than a basic, finished but shallow, project.

Also, you should bootstrap your project as much as possible, so you don't waste your time on non-essential tasks. Employ templates, plug-n-play frameworks, sample codes and any other web asset as you wish, as long as it remains legally compliant.

The web application will be evaluated in regards to:

- Overall user interface
- Overall user experience
- Code cleaness
- Code documentation
- Code performance
- Creativity & innovation

The challenge must be delivered as a Pull Request into our Github repository regarding this position, with proper embedded instructions on how to run locally the web application. The repository itself will be evaluated on organization and documentation.

Starting today, you have **up to 5 days** to deliver your code. Evaluation will be proportional to the amount of time you took to complete the task, so try not to leave it to the last minute. The suggested completion time is less than 48 hours.

Feel free to contact us at any time, and you're more than welcome to join us over at our Discord via this link.