Modern Application Development 2 Project

Influencer Engagement and Sponsorship Coordination Platform – V2

Submitted by:

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Project Statement: To create an app which is a platform to connect Sponsors and Influencers so that sponsors can get their product/service advertised and influencers can get monetary benefit.

Approach: I approached the problem statement firstly through getting a good grip on how the frontend of this application - through Vue JS would be behave and interact differently than the previous version of this application, whose frontend used jinja2. Then after ensuring role-based access control with the help of flask-security, I implemented all the core functionalities required for the application through creating a wide variety of API endpoints and interacting with them through the frontend Vue JS pages and components, with the help of Vuex Store. I styled the entire app using Bootstrap. Afterwards I implemented Caching (with the help of Redis) at all the places in my APIs where it made sense to do so, and then with the help of Celery, I implemented the backend jobs – csv file exporting, daily reminders and monthly reports.

Frameworks and Libraries used:

- SQLite for data storage

- Flask for API

- Vuex Store

- Flask-Security for RBAC

- VueJS for UI

- Bootstrap for styling

- SQLite for database
- Redis for caching
- Redis and Celery for batch jobs
- Matplotlib for Graphs

Drive Link of the Presentation Video:

Presentation Video link

API Resource Endpoints:

API Resource Endpoints link

ER Diagram of the Database: