

# What's up in RJ

## Students



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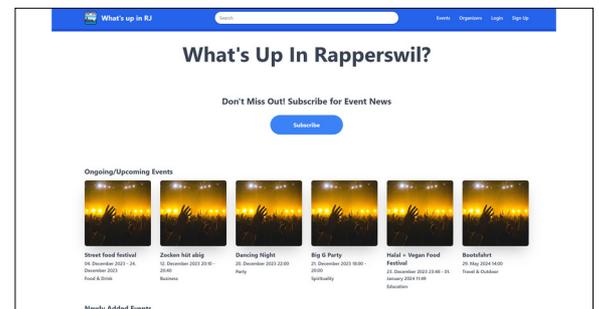
**Definition of Task:** Rapperswil-Jona is an active city with a diverse cultural program. There are a lot of activities and events that one can visit or participate in. But if you want to be up-to-date and not miss any events, you currently have to visit many different websites or newspapers. This lets the people around Rapperswil-Jona think there is not much going on in the region. The goal of "What's up in RJ" is to change this perception and to show that a lot is going on around the city. With a central platform, it should be possible for organizers to publish their events and for users to find events they are interested in. After logging in with a user account, one may subscribe to a newsletter informing the user about upcoming events.

**Approach / Technology:** The approach is to create a three-tier web application. The frontend is implemented with the Angular framework and its single-page application feature. It depicts the user interface and communicates with the backend. Communicating with the backend, the frontend can access the data stored in the database. The backend implements the business logic and is implemented with Node.js, utilising the Express web application framework. The database layer, based on PostgreSQL, stores the data persistently. All layers together build the web application, deployed automatically to DigitalOcean. Together, the application is easily accessible to all users through a domain.

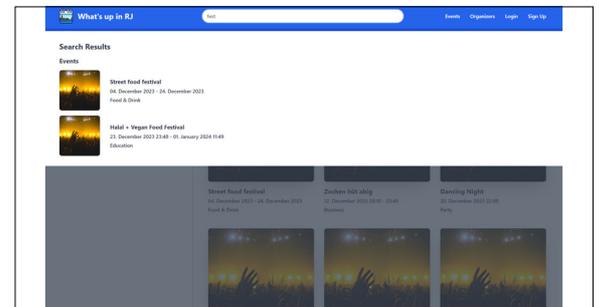
**Result:** The final result is a Minimum Viable Product. Core functionalities such as the login for users and organizers, the management of events for organizers, the newsletter subscription for users, the event views, the search functionality, and filtering of events and organizers are implemented. On a basic level, the

application is close to being ready for production. However, there are many features that can be implemented in future iterations and are necessary to improve the attractiveness of the application. In conclusion, this project is a good start to create a platform where users and organizers can interact with each other. The project can be further developed to become a successful platform for event organizers and attendees.

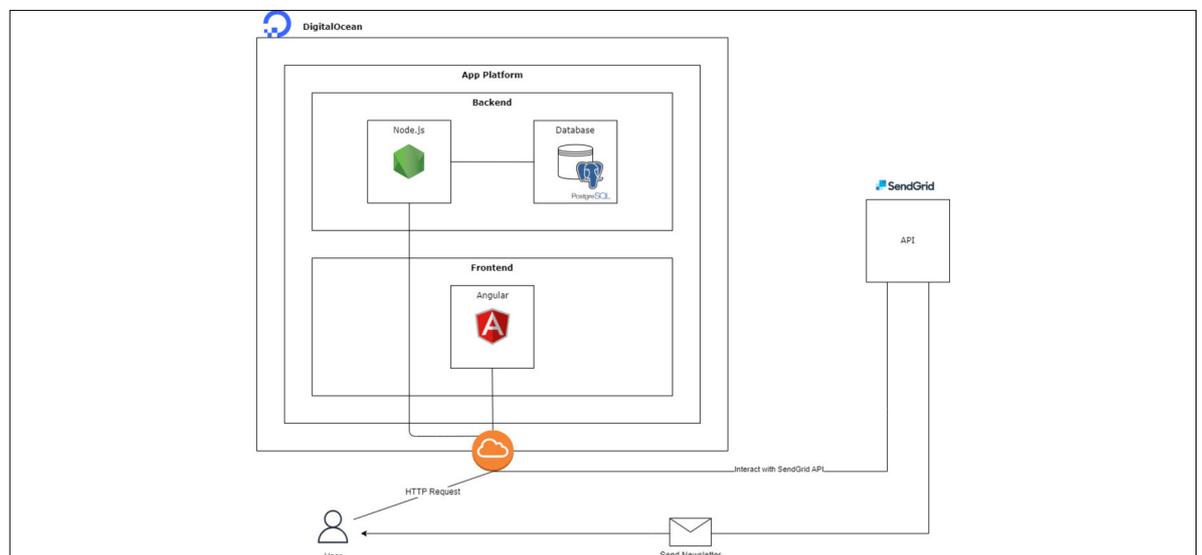
## View of the Home Page Own presentation



## View of the Search Feature Own presentation



## Architecture Diagram Own presentation



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