

IBM – AI Workflow

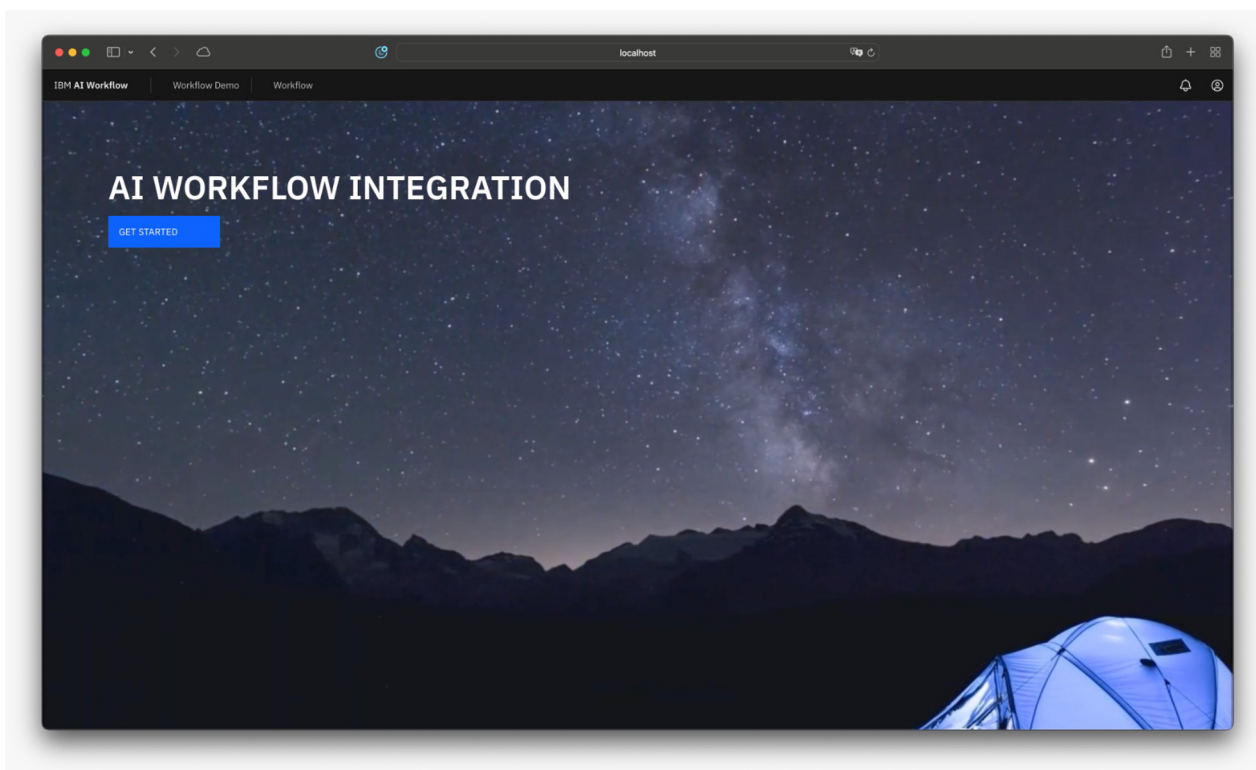
Automating workflows with IBM Cloud Services



Mitch Lui, Jeffrey Lu, Luze Sun, Michael Poluektov

Web application

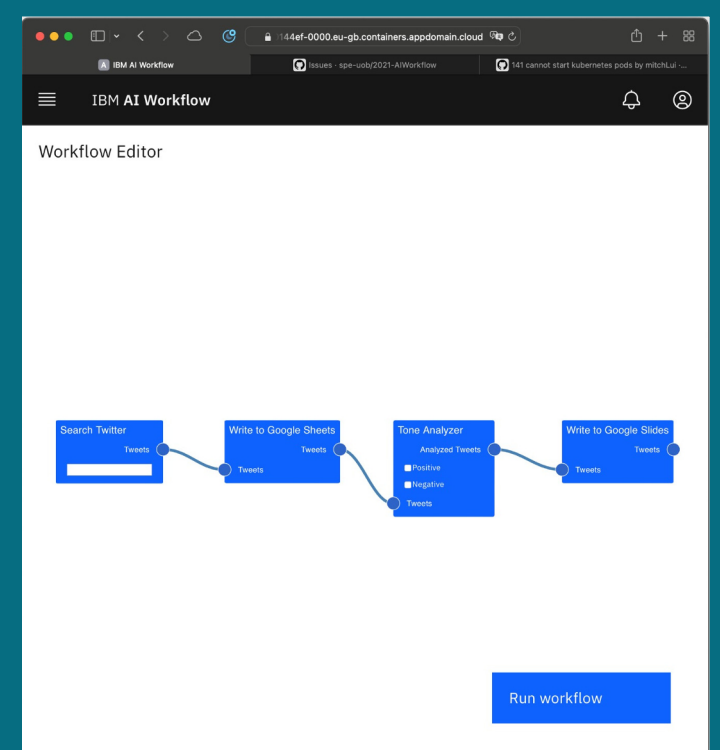
We have built a web application to access, store and run workflows. It uses React as a frontend, FastAPI as a backend and MongoDB as our database. It is deployed to IBM Cloud on a Kubernetes cluster. The website uses IBM's Carbon Design framework and contains a node editor based on the ReteJS library. Workflows are associated with each user, who log in using Google OAuth 2. We can search tweets as inputs and run them through IBM's NLP tools which output to Google Slides or Google Sheets.



Landing page for our website

Workflows can be used by client to run sentiment analysis on various posts from social media websites, containing certain keywords (our current implementation only includes Twitter, and we can not store user data so dummy data is used), process it however they want and store the results in supported applications (Google Sheets and Google Slides in our case). This could simplify their ability to perform market analysis and get feedback on their products.

Workflow page



Login page

