Implementing client Reporting Feature in Standard Reporting Service

TARUN RATH
ABSTRACT

The project titled Implementing Client Reporting feature in Standard Reporting Service at MiQ Digital India covers the implementation procedure of a new feature called Client Reporting in an existing company product - Standard Reporting Service (SRS). MiQ is an advertising Technology company which allows their traders to run Ad-campaigns for Clients. Traders in MiQ are required to generate reports on a weekly basis and send it to their Clients. Since this is a very time consuming work for traders who manage several Ad-campaigns at a time, the Client Reporting feature allows them to create report templates which handles scheduling reports and sending it to client automatically as per scheduling parameters. The main objective is to implement a front end interface for Client Reporting, Add mixpanel integration to track how a user interacts with the application, implement an improved version of Reports History that includes pagination and filtering.

This feature is a new addition to the SRS Product, which uses React.js as frontend framework and Spring-Boot as backend java framework. The report configuration are stored in MongoDB and the reports are generated by consuming data stored in Qubole. REST APIs are written to create report, schedule report and send email notification to clients. Client Reporting feature hence saves a lot of time for traders by automating most of the tasks done by them manually.