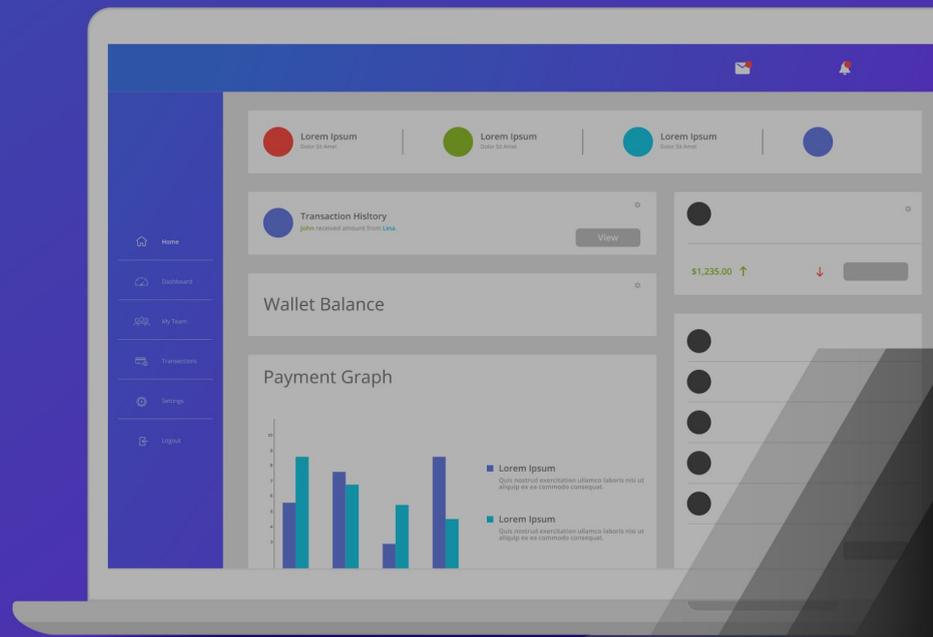


# Building Revolutionary SaaS Solutions For Secondary Data Storage and App Management



## Executive Summary

Our client, a leading enterprise storage company, helps organizations to store and manage their critical data and apps. To deliver greater customer value, the client aims to build a SaaS platform that can manage a multi-cluster environment for their customers. We are making this possible by developing the intelligent SaaS solution to run legacy apps within clusters for multiple purposes.

# Problem Statement

Data is the most valuable asset for any business. Keeping it safe and uncovering smart insights is every organization's top priority. As a leading enterprise storage company, our client helps global organizations to safely store and manage their secondary data and applications. Many of their customers want to use multiple apps inside their data clusters for specific use cases.

To deliver greater customer value, the client aims to build a revolutionary SaaS platform, equipped with machine-driven predictive analysis to manage a multi-cluster environment. This would allow their customers to effectively manage all their global data and apps with a single unified software solution. The proposed marketplace for multiple apps would also help the client to gain new customers and deliver stronger outcomes.

## Business Requirements

### End Objective

The key objective is to create a marketplace for our client that would allow the functioning of multiple apps inside different clusters. This application would give the users the option to choose from a wide range of apps and run them inside their cluster/(s) based on requirement.

Additionally, multiple apps to support the main platform needs to be built. This includes security software like UEBA (User and Entity behavior analytics ). It provides a type of cybersecurity process that records the normal user behavior. It is used to detect any anomalous behavior or instances where there are deviations from set "normal" patterns.

### Key Requirements

We are developing the solution to achieve the following key objectives:

- ▶ Give choice for the users to run apps within clusters for different purposes
- ▶ Improve the security of the platform
- ▶ Allow more people to explore the main product (secondary data consolidation)
- ▶ Allow developers to publish the apps and aid marketing for the client
- ▶ Improve our client's revenue by attracting new customers with the new platform

## Our Solution Structure

Our solution approach involves the creation of a marketplace web application for the client. Using this, their customers can explore and use different apps within the cluster.

Our solution also focuses on integrating it with the Salesforce login and redirect to the customer's main product app. Here the user will be able to access all the information regarding the installed apps and get insights after running the apps within the different clusters. The platform feature would also allow customers to easily explore the apps from the main product screen and view the insights.

## User Interface

The application UI will cover the following aspects:

- ▶ The application will be hosted on GCP (Google Cloud Platform) using Salesforce for handling sessions.
- ▶ The UI is being built over popular UI libraries, Bootstrap, and our in-house CSS for maintaining the same styling.
- ▶ For the UI code bundling, we are using the web pack (included in Angular-cli) and Grunt for AngularJS

The UI local development is primarily happening on the Angular 6, AngularJS

## Technology Stack

- ▶ Back end: Go, Redis, Postgres, Kafka, Elasticsearch
- ▶ Front end: Angular 6, AngularJS

# Business Outcomes

Our solution will help our client to deliver stronger outcomes for their customers, acquire new customers, and also improve their revenues. Here are some of the key benefits of the solution:

- ▶ Provides a smart platform for the users with the option to install and use any app within clusters.
- ▶ Encourages developers to publish their apps, leading to promotion of the client's main product.

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