

Overview:

The project involved developing a bridge between the Jenkins automation server where jobs are configured to run on a scheduled basis to provide location data and the data aggregation pipeline. The client provides custom data sets with actionable data to their customers to improve decision making.

Client details:

Name: Confidential | **Industry:** Retail | **Location:** USA

Technologies:

Node.js, Vue.js, React, MongoDB, MySQL, Redis, Dojo, Socket.IO

Project Description:

This project helped to facilitate interaction between the Jenkins servers via customized Single Page Application. The Jenkins automation server has been configured with scripts that collect location information like street addresses, operational hours, geolocation like latitude and longitude, etc. Each list has a dedicated script running on a schedule. The schedule is a Jenkins cron expression that runs a job like monthly, quarterly, semi-monthly, Half-yearly, etc. This application was used by the client's internal QA Team.

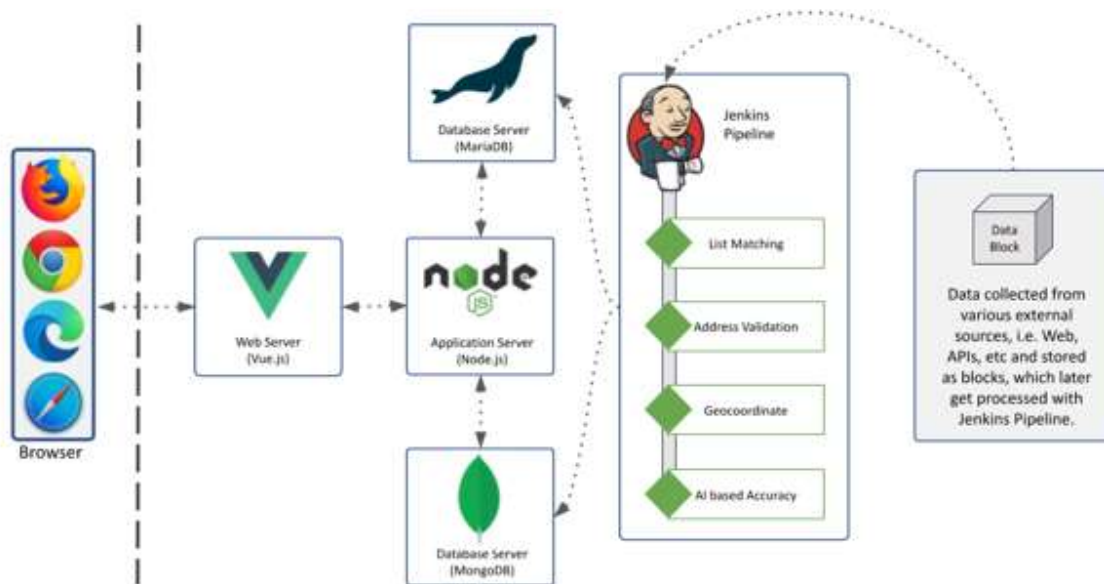
Some salient features of the application:

- The comprehensive dashboard helps to visualize jobs and related information like builds, promotion etc.

- The admin can check a detailed summary of job-wise build information like failed build, successful build, etc. They can search the dashboard and filter jobs, builds, and promotions easily.
- Timeline component helps to track changes that have happened over time.
- A dedicated notification system helps to publish/subscribe service at the same time enabling on-demand real-time notification.
- The role management portal was automated to manage roles and permissions for each individual user of the application.
- A feature-rich widget/component helps to post comments with image uploading capabilities.
- The reports dashboard was developed with Chart.js to represent granular information on builds and promotions with various chart types.
- The admin can track the location information with the help of Feature-rich component built on top of Google Maps API.

Housekeeping App for a Data Aggregator

Architecture:



Screenshots:



The screenshot shows the **Integrated Geofencer (A)** application interface. The top navigation bar includes a menu icon, the title **Integrated Geofencer (A)**, and buttons for **Show All**, **Show Golden Set Only**, **ADMIN**, **EXCEL EXPORT**, and **SIGN OUT**. The main area displays a map with various locations marked. Below the map, there is a search bar with the text **Search Address** and **Enter a location**. The bottom section contains a table with columns for **SEARCH BY LIST**, **VIEW BY LIST**, **SEARCH THIS AREA**, **COULDN'T FIND POLYGONS**, **THASOS**, and **OUTLIER**. The table lists data for **burgers** and **clothing** categories.

Category	List ID	List Name	US Locations	Aggdata Verified	Aggdata Verified	Polygon Matches	Polygon Match	Verified Polygon	User
burgers	2	A&W Restaurants	622	0	0	532	86	32	admintest@aggdata.c
clothing	5	Abercrombie & Fitch	136	0	0	6	4	3	...

Housekeeping App for a Data Aggregator



Integrated Geofencer (A) Show All Show Golden Set Only ADMIN EXCEL EXPORT SIGN OUT

Abercrombie & Fitch

Custom Request

272 E. Via Rancho Parkway Space 171, Escondido, CA 92025-101396
List ID: 5
List Name: Abercrombie & Fitch
Type: Smart
Parent ALN: 01310876-000002
Parent Store Name: Verified North County
Parent List Name: Verified
Golden Set: 1
Latitude: 32.8745577096266
Longitude: -117.0655327916473
Geo Accuracy: AGGDATA_VERIFIED: ROOFTOP
Distribution: clothing
Store Name: North County Fair
Store FID: Abercrombie & Fitch - North County Fair
Phone:
URL: www.abercrombie.com

WIPE OFF
SEARCH RADIUS
SHOW OVERLAP RISKS

Construction Flag: None

Search Address: Enter a location

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SEARCH BY LIST VIEW BY LIST SEARCH THIS AREA COULDN'T FIND POLYGONS THASOS OUTLIER

Category	List ID	List Name	ALI	Polygon Status	Store Name	Address	City	State	ZIP	Geo Accuracy	SQFT
clothing	5	Abercrombie & Fitch	001396	Verified	North County Fair	272 E. Via Rancho Parkway One	Escondido	CA	92025	AGGDATA ROOFTOP	Y
clothing	5	Abercrombie	5727022	None	Stoneridge	Stoneridge	Pleasanton	CA	94588	AGGDATA	Y

Screenshot 2: View data by list

ADMIN TOOL HOME SIGN OUT

USERS USER REPORT MISC

+ NEW USER

Email	Name	Role
vadim@theretailplanet.com	Vadim Kovalenko	admin
jonb@creditintell.com	Jon Barash	admin
chrisw@aggdata.com	Chris Walters	drafter
davidh@thasos.com	David Haddad	admin
draftertest@aggdata.com	draftertest	drafter
verifiertest@aggdata.com	verifiertest	verifier
admintest@aggdata.com	admintest	admin
rayzck9@gmail.com	Rahul Zalkikar	drafter
wp@thasos.com	Wei Pan	admin

Screenshot 3: Admin tool