

# Data Analytics platform for a Nascent industry

Analytics platform for a US based data and Analytics company- High volume data, high end visualization, cater to multiple verticals and geographies



High end Data analytics platform, hosted as SaaS model for various users in the industry. Handles very large volume of data and excellent visualization models

## Challenges

- Data gathered from various data sources across various states
- Data from public and private domains
- Data in every possible format
- Data to be cleaned and enriched
- Data needs to be presented in rich graphs, table, maps and charts
- Dynamic data presentation

## Solution

**Business Solution:** Identifying data sources and Data needs of the various user communities. Business system analysis and design.

**Data Engineering:** Once the data source is identified, gathering data in various formats, screen scraping, conversion, storage, cleansing, and enriching of data. Further data transformation and analytics on the data lake

**WebApplication:** Very innovative front-end screens, maps, graphs and charts to represent the data to various users, based on the subscription plan,

### Additional Product Functionality

- Subscription model for various B2C and B2B customers, Payment Gateways
- Secure Login and registration using Cognito
- Integration of QuickSight for better visualization

**Database services:** Amazon Athena, Aurora and MongoDB to handle large data volumes. Custom APIs written in Python and Java

**Technology Stack:** Javascript, React, API Gateway, S3, AWS Lambda, Glue, Elastic Search, DBeaver, Confluence, Jira

End-to-end business solution and the only product with maximum coverage of breadth and depth of the industry.

## Innovation

- A future ready bank with highly available and scalable infrastructure.
- Possibility for addressing a customer's all banking needs in a unified way

## Benefits

- A cloud based highly available and scalable architecture
- Future ready applications for accelerated business growth
- Automated devops cycle with minimal operating costs

## Result Highlights

Highly Scalable and Available

Future Ready

Automated DevOps Cycles