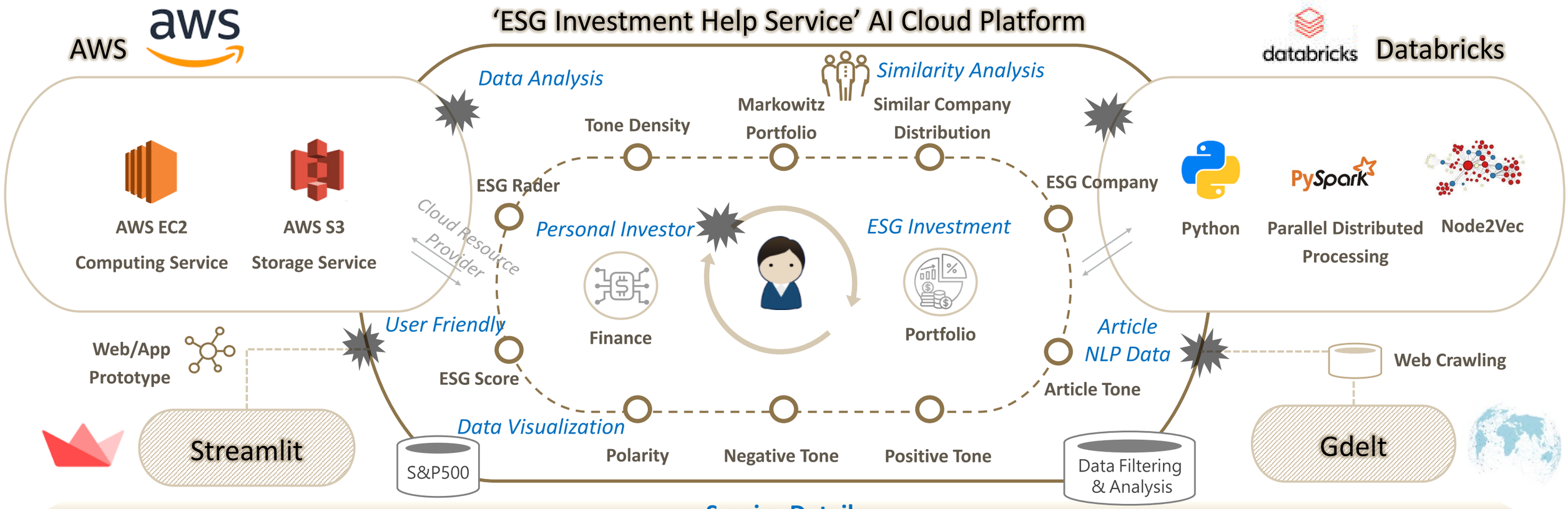
AI Cloud Service for ESG Investment Advisor



Service Detail

For personal investor, our service provide ESG score and Portfolio

For whom the person wants to know company's ESG score, we provide various chart based on Gdelt

AI Cloud Platform Service for automatic analysis of companies' ESG score

Cloud platform can deal with real-time big database efficiently

User friendly UI/UX, so that amateur investor can reach and interpret data easily

Several chart with different viewpoint can help user to use our service easily

Gdelt | Markowitz Theory | AWS | Databricks | GitHub | Streamlit

ESG AI Investment Service Architecture

Cloud Platform

Algorithm Simulation (AWS Databricks)

① Real-time Web Crawling

② ESG Scoring

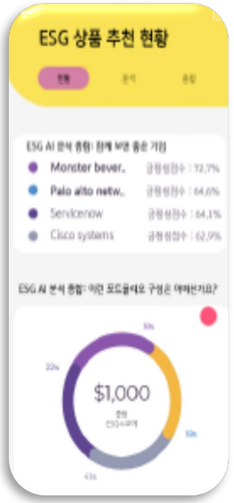
③ Web/App Service

Gdelt

databricks

Cloud

Storage



Databricks

Real-Time Database

Data Formatting

Graph Connection

ESG Scoring

ESG AI Investment Service Architecture

Service Flowchart

databricks

Client

Needs Occur | Explore Company | Web Crawling | Data Analysis | ESG Scoring | Portfolio | ESG investment

Web/App

Front-end

Back-end

Data Analysis

"End-to-End ESG investment service process is provided to client"

- Want to know ESG score of company
- Event Occur -> Send Message

Amazon S3

Article

GDELT Feed

Various Chart Graphs

- Node2Vec Algorithm is used to get similar company

*Are you interested in **ESG investment?***

What company in S&P500 you want to reach data?

- Real-time web crawling from Gdelt

PySpark

Did you choose what company to invest?

*There are **some company which has similarity** to your chosen company!*

- Markowitz modern portfolio theory is used and give advise to client how to invest