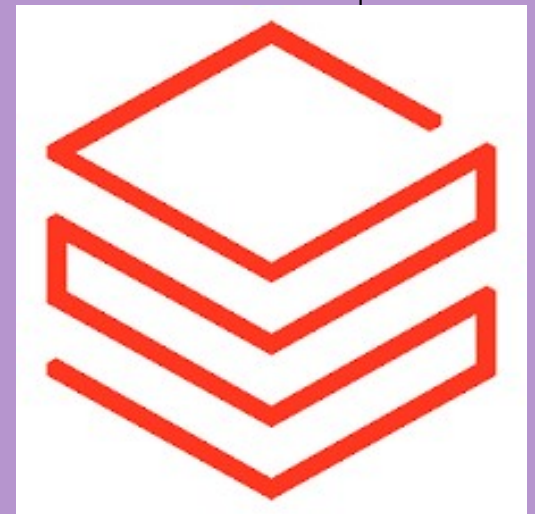
The background of the slide is a dark blue field filled with various colorful geometric shapes, including circles, ovals, and elongated rectangles in shades of orange, red, yellow, green, and purple. These shapes are scattered across the right side and bottom of the slide, creating a vibrant, abstract pattern. On the left side, there is a white rectangular frame that encloses the title and subtitle text.

STREAMLIT APPS WITH DATABRICKS

ML apps that can have
powerful backend support
with Databricks

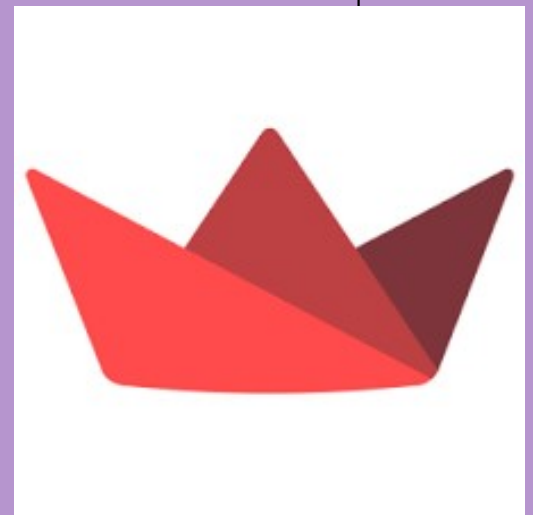
COMMON USES OF DATABRICKS

- Databricks is commonly used for big data analytics and processing, particularly for Apache Spark-based data processing tasks. It provides a unified analytics platform that integrates with various data sources and supports collaborative data science workflows. Additionally, it's utilized for machine learning, data engineering, and real-time analytics applications.



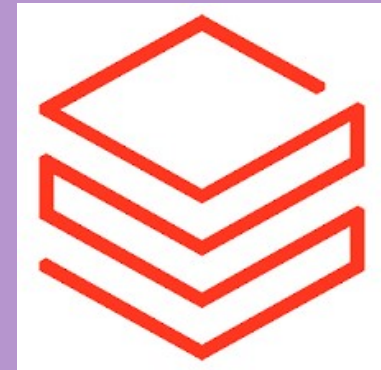
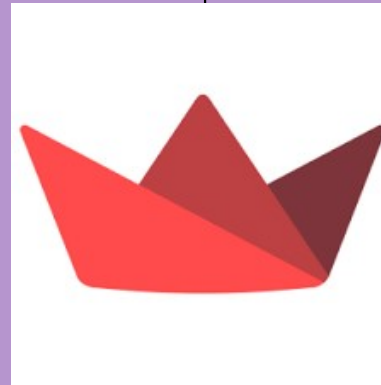
IS HOSTING A STREAMLIT APP ON DATABRICKS A GOOD IDEA?

Running a Streamlit app like resume screener on Databricks might not be the best fit. Databricks is more suited for big data processing and analytics tasks, while Streamlit is designed for building interactive web apps with Python. You can host your Streamlit app on platforms like Heroku or AWS for better performance and scalability. Databricks could be integrated into your app for data processing tasks if needed, but it's not typically used for hosting web applications.



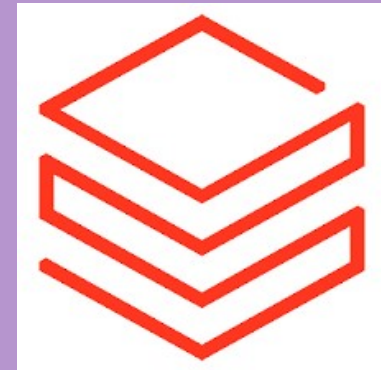
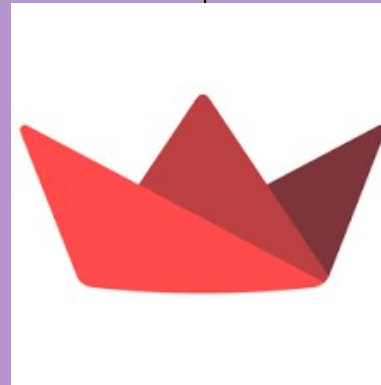
INTEGRATING DATABRICKS INTO STREAMLIT

- We can integrate Databricks into your Streamlit app for data processing tasks by leveraging Databricks as a backend service. For example, you can use Databricks for heavy-duty data transformations, machine learning model training, or large-scale data analysis tasks. Your Streamlit app can communicate with Databricks through its REST API or by using Databricks libraries directly within your Python code.



INTEGRATING DATABRICKS INTO STREAMLIT

This integration allows you to offload resource-intensive tasks to Databricks, which is optimized for big data processing, while still providing a user-friendly interface through Streamlit for interacting with and visualizing the results of these tasks. It's a powerful combination that combines the strengths of both platforms for a seamless data processing and analysis experience.



HOW WILL DATABRICKS PLAY A ROLE

- Databricks can play a role in several aspects of your resume screener app:
1. **Data Preprocessing:** Databricks can handle the preprocessing of PDF files, extracting text and relevant information from them efficiently at scale.
 2. **Data Analysis:** You can use Databricks to analyze the extracted text data, perform natural language processing tasks, and extract insights to aid in the screening process.
 3. **Model Training:** If you're using machine learning models, Databricks can be used to train these models on large datasets, optimizing performance and scalability.
 4. **Scalability:** Databricks can handle processing large volumes of PDF files concurrently, making it suitable for applications with high throughput requirements.

