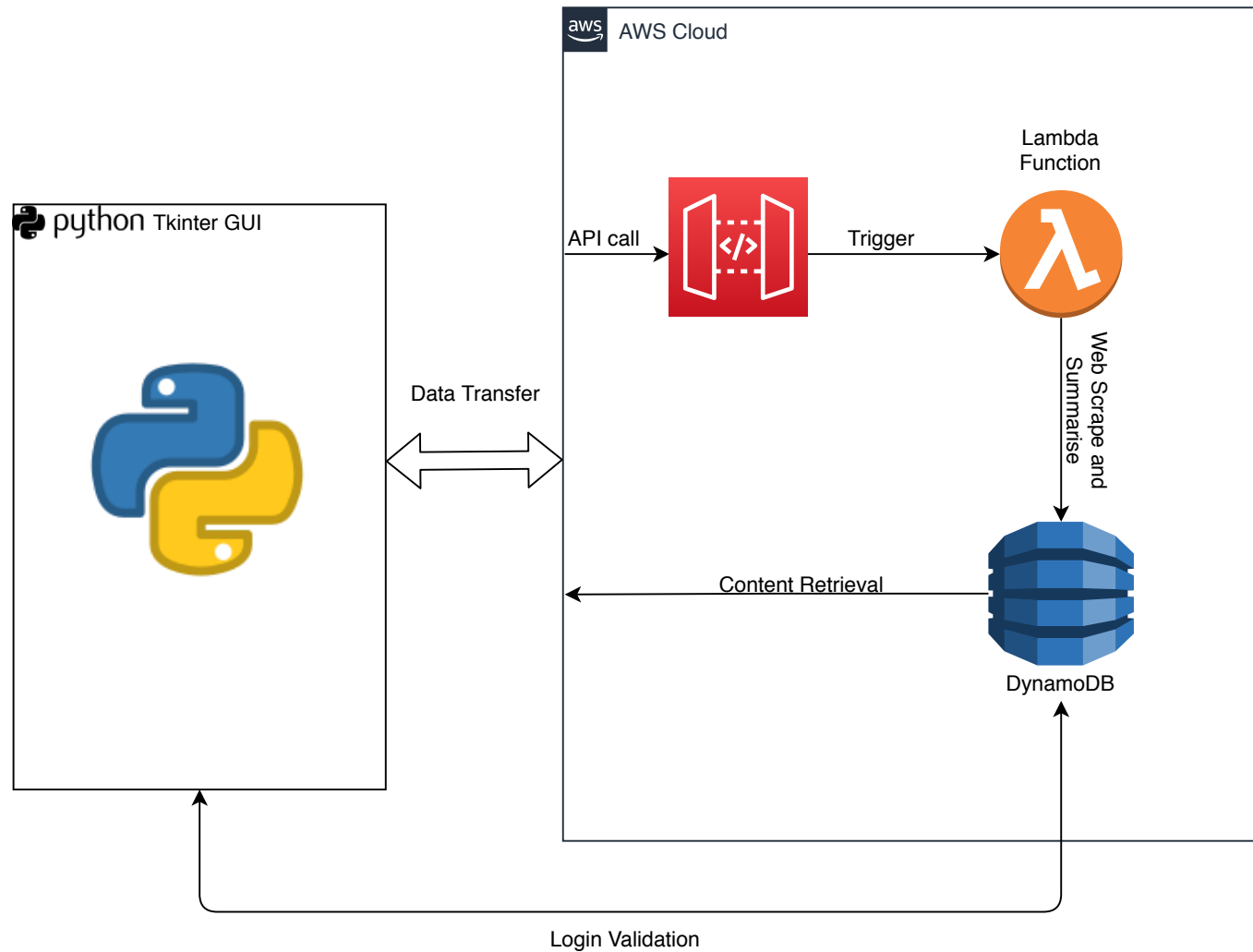


Data Collection Engine



Description



Tkinter (Python)

Tkinter is a Python binding to the Tk GUI toolkit. It is the standard Python interface to the Tk GUI toolkit, and is Python's de facto standard GUI. Tkinter is used here to build the GUI for the application. The Login page, User's homepage etc are built using this.



Amazon S3

Amazon S3

Amazon S3 or Amazon Simple Storage Service is a service offered by Amazon Web Services that provides object storage through a web service interface. This is used here to store the images uploaded by the user to be analysed and processed.



AWS
Lambda

Amazon Lambda Function

AWS Lambda is an event-driven, serverless computing platform provided by Amazon as a part of Amazon Web Services. It is a computing service that runs code in response to events and automatically manages the computing resources required by that code. The Lambda function contains the script to perform OCR, scrape for data using Media API and summarise the content using nltk tools.



DynamoDB

No-SQL Database System by Aws. It is used here to store the login credentials of the users as well as contents such as already searched keywords and uploaded images.