

Delivering 97% Prescription Verification Accuracy For An Eyewear Company With QDox

Retail



Customer Key Facts

- Country : Canada
- Industry : Retail

Problem Context

The client is one of the largest online contact lens retailers in North America and the largest seller of prescription eyeglasses online worldwide. They receive ophthalmic prescriptions from their end customer as part of the prescription glasses and contact lens purchasing. These prescriptions are used to claim insurance by end customers using the client's website/application. They must verify the submitted ophthalmic prescriptions, extract data and store it for compliance and claims. They, therefore, required a scalable solution to automate this process of extraction and verification of prescriptions with high accuracy.

Challenges

- Handling a large set of documents in a batch
- Entity extraction in the semi-structured documents



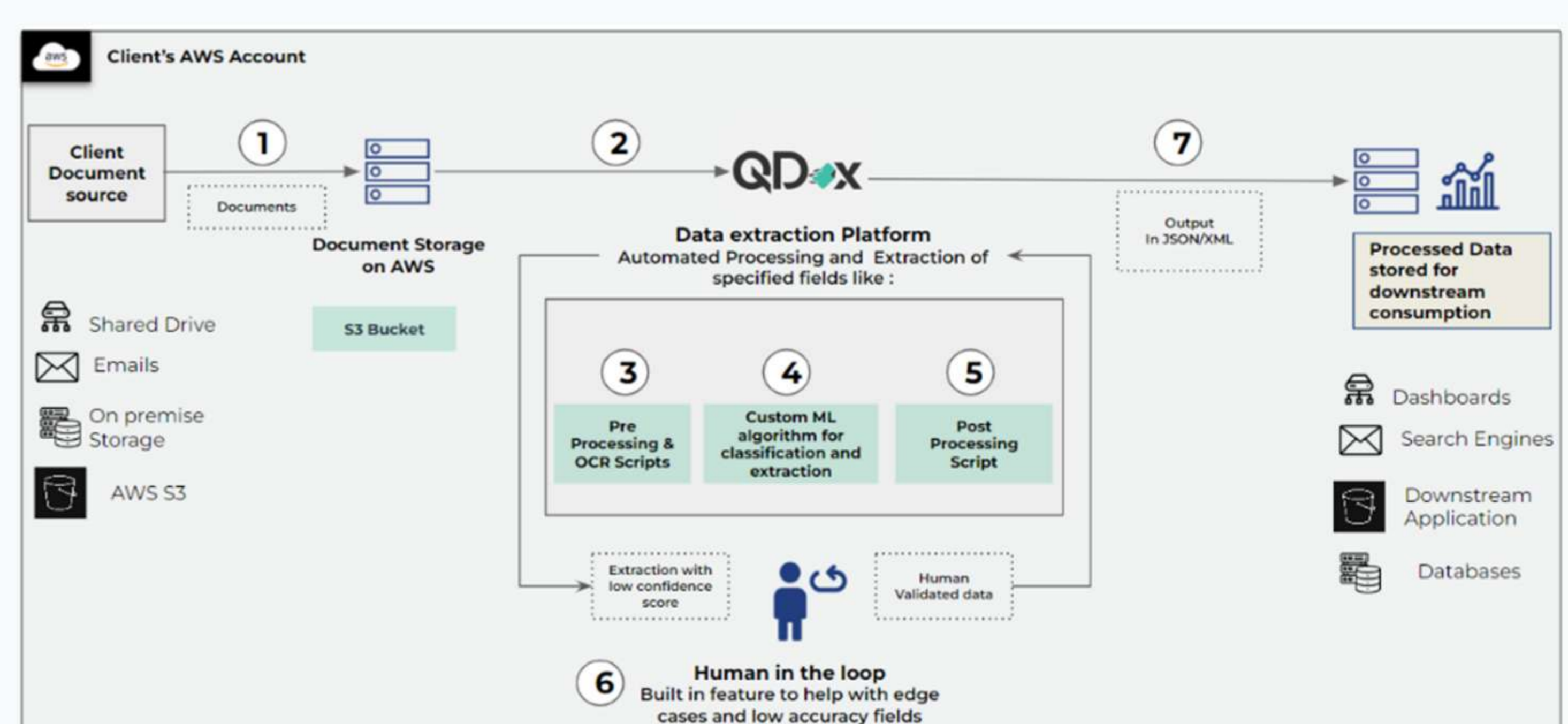
Technologies Used

Looking for similar project?

[LET'S TALK](#)

Solution

Quantphi deployed QDox, a cognitive document processing solution built on Amazon Textract and various AWS machine learning services to automate the verification of ophthalmic prescriptions submitted in varying formats, including printed and handwritten in English and French.



Results

- Ensured scalability of the extract and endpoint concurrency for a large set of documents.
- Utilized vision and textual feature embedding models to facilitate entity extraction tasks for semi-structured documents.