elementum

PurchaseMatch

UCSB

The Team

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Problem

24 hour delay
Buyers and sellers **manually** match important documents through mail or email, creating up to a 24 hour delay per match

Human error
Manual input introduces potential for typos

Overview

Buyer makes purchase order

Seller makes sales order

Take a picture of order

Notification through app

Ship goods

Solution

Instant matching
Our mobile app matches the documents in real time

Automated and cloud-based
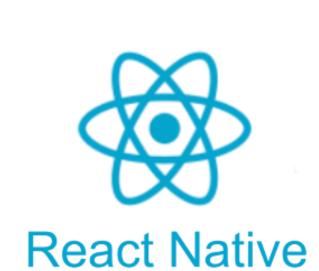Matching is as easy as taking a picture and letting the app do the rest. Images are backed up in the cloud

Save time and money
Reduce manual input within the purchase order pipeline, cutting into a $25 trillion industry
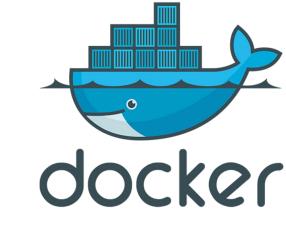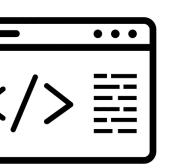
Technologies

React Native

Java

Google Cloud Platform

S3

kafka

MySQL

JIRA

docker

Workflow

Company's user logs in

Take pictures of documents

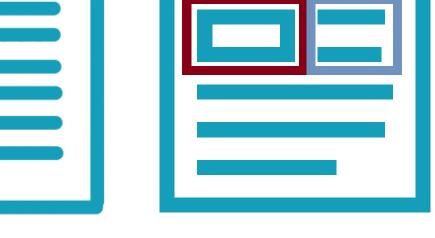Upload images of documents into an S3 bucket

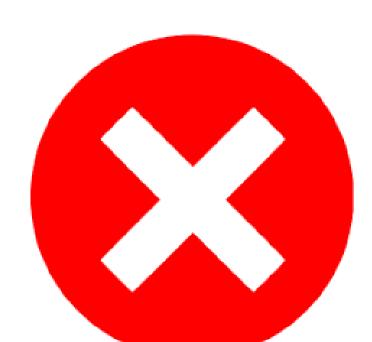Put a request to scan and parse the images in a processing queue

Once the request is removed from the queue, convert the images to text with Google Vision
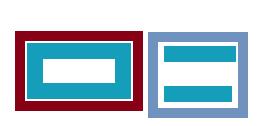
Parse text from the images for relevant information

Images and relevant data are now available

Store data in an AWS hosted MySQL database

Check company's database to see if document with same waybill number has already been uploaded

Notify user of match or no match