Team CashFlow

Meet the Team

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What is Elementum?

- Supply chain management startup
- 5 years old
- Headquarters located in Mountain View

Background

- Elementum executives found an issue with the Purchase Order Pipeline
- What is the Purchase Order Pipeline?
 - Purchase orders, Sales orders, and Shipping invoices
 - Matched to one another to move forward in the pipeline



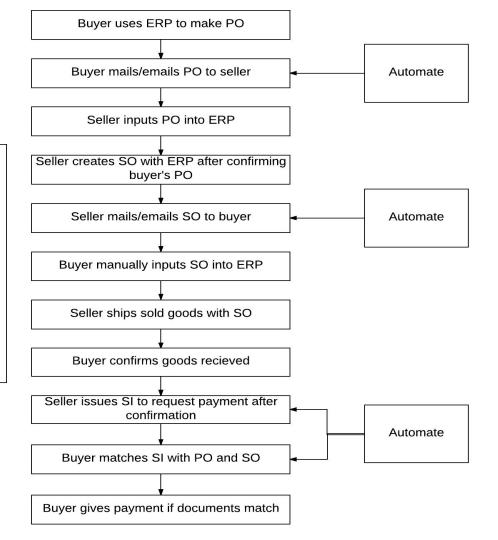
Too much manual input in the matching process!

The Side Effects

- Delay
 - Up to 24 hour wait time between confirmation emails
- Human Error
 - Mismatch errors occur because of manual data input
- Lose Money
 - Where Elementum saw an opportunity



Automate the Matching Process!



IMPORTANT TERMS

Describes the price, quality, and quality

Enterprice Resource Planner (ERP): Creates SOs and POs based on a

Describes price, quality, and quantiity of goods in the shipment and may include

Purchase Order (PO):

Shipping Invoice (SI):

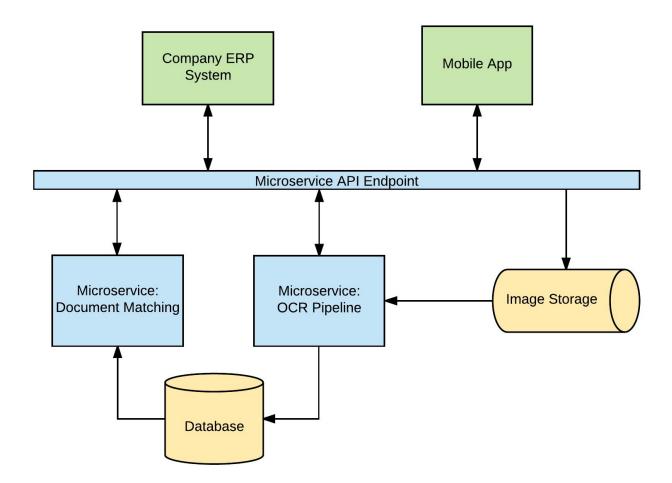
PO and/or SO identifiers.

Sales Order (SO):
Confirms the PO details.

forecast

of goods to be purchased.

Design



Technologies

- JIRA, BitBucket, Slack
- Document Parsing and OCR
 - Tesseract (Tess4J)
- Cloud Tools AWS S3, AWS RDS
- Mobile Development React Native
- Backend Java, Maven
- CI/CD Docker, Jenkins

Current Status

- Mobile app
 - Login, Home, Setting and Camera Screen
- Camera connected to AWS S3
 - Option to upload or discard image to S3
- OCR pipeline can take in files, then scan and parse
 - Feeds the parsed data to backend
- Database is deployed to keep track of images in S3 Bucket
 - Created data access objects

Prototype Demo

