

ARTIFICIAL INTELLIGENCE: TO REDUCE THE REJECTION RATE OF BILLS BY CREATING AN NLP MODEL TO VALIDATE THE SAME

TECH STACKS:

spaCy

Spacy



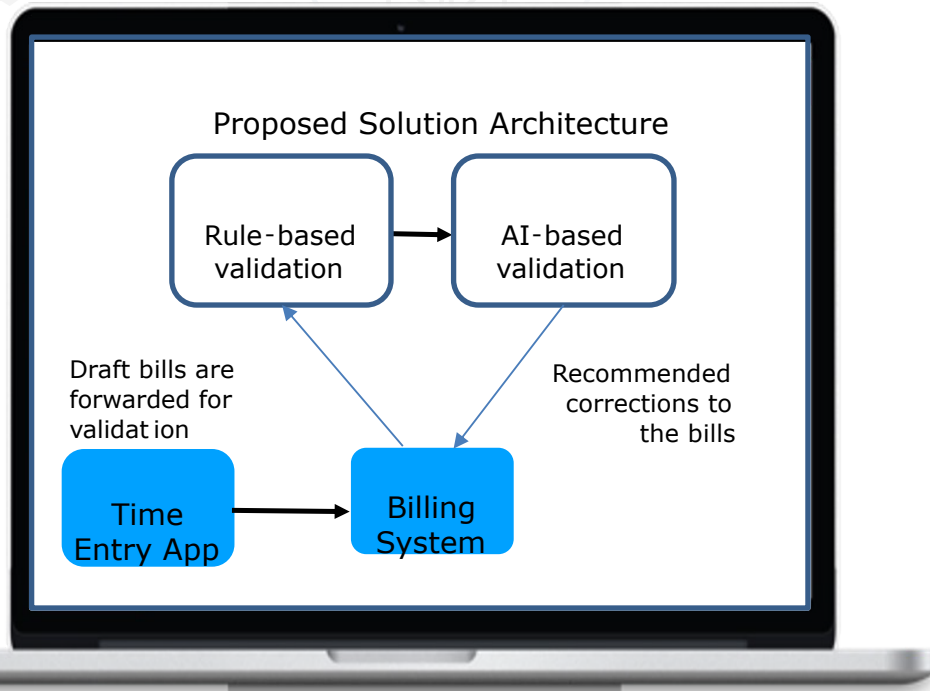
NLTK



docker
Docker



Integrations,
Data validation
Python



CLIENT:

Client is a leading litigation firm dedicated to serving the legal needs of the business and insurance communities.

CHALLENGE:

To resolve the bills that are rejected due to non-compliance to contractual agreement. The manual effort to correct these bills is considerably high, causing a delay in payment.

SOLUTION:

Automatic summarization of rules from contract: Instead of manually deriving the business rules from contract, the model automatically parses the content and extract potential business rules in summary format, saving a lot of man-hours. Straight forward rules are identified and added to the rule-based system.

Recommend corrections to the bills: Draft bills generated by billing system are first validated by rule-based and AI-based solution. Current bill is matched with valid bills based on similarity index. Recommended corrective actions are provided.