



# The Leftovers:

Project: Personal Identifiable  
Information (PII) Redactor Service

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# Preface



Forbes

GDPR Fines Reach Record Level

European data protection  
authorities

1:11



LifeLabs data breach: Hackers  
could still hold health records of  
15M Canadians

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Sweeping privacy reform  
comes into force in  
Quebec

REGULATION (EU) 2016/679 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 27 April 2016

Incoming: Strict Data Protection and Privacy  
Preservation Laws



Province of Alberta

Québec

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chapter P-39.1

ACT RESPECTING THE PROTECTION OF PERSONAL  
INFORMATION IN THE PRIVATE SECTOR

PERSONAL INFORMATION  
PROTECTION ACT

Statutes of Alberta, 2003  
Chapter P-6.5

Current as of April 1, 2023



# The P&S



## Problem

With governments across the globe passing stricter Data Protection and Privacy Preservation laws, Institutions and companies across the globe face **significant administrative overhead** to comply with them.

## Solution

Build Ai powered cost effective Privacy Preservation solutions that can assist individuals in complying with these laws. They have to be **democratized, inexpensive, simple** and **accessible** for wider adaptation.



# Our Idea



## ACCOUNT TRANSFER REQUEST

To,  
The Branch Manager  
Bank of America

From: Name: Mustafa Abdul  
Address: 2201 C Street NW I Washington, DC 20520  
Phone No.: 202-555-0129

Madam/ Dear Sir,

Request for my /our SB/RD/Term Deposit Account Transfer

A/c No. GL28 0219 2024 5014 48

From (Branch Name- Code) to (Branch Name- Code)

1. I hold the above account/accounts with branch code: BOFAUS3N.
2. I request you to transfer the captioned account. The new address proof is enclosed/ shall be provided within 6 months at the transferee branch.
3. I request you to transfer the CIF.
4. I understand that if CIF is not transferred, my Home Branch will continue to remain the same.

Please arrange accordingly.

Yours faithfully,

Mustafa Abdul

Dated: 11th Jan, 2018



## Personal Identifiable Information (PII) Redactor Service

With the help of Natural Language Processing AI Model, we would identify any PII from PDF documents and redact them.



## Types of PII

Name, Numeric, Nationality,  
Organization, Country, Date,

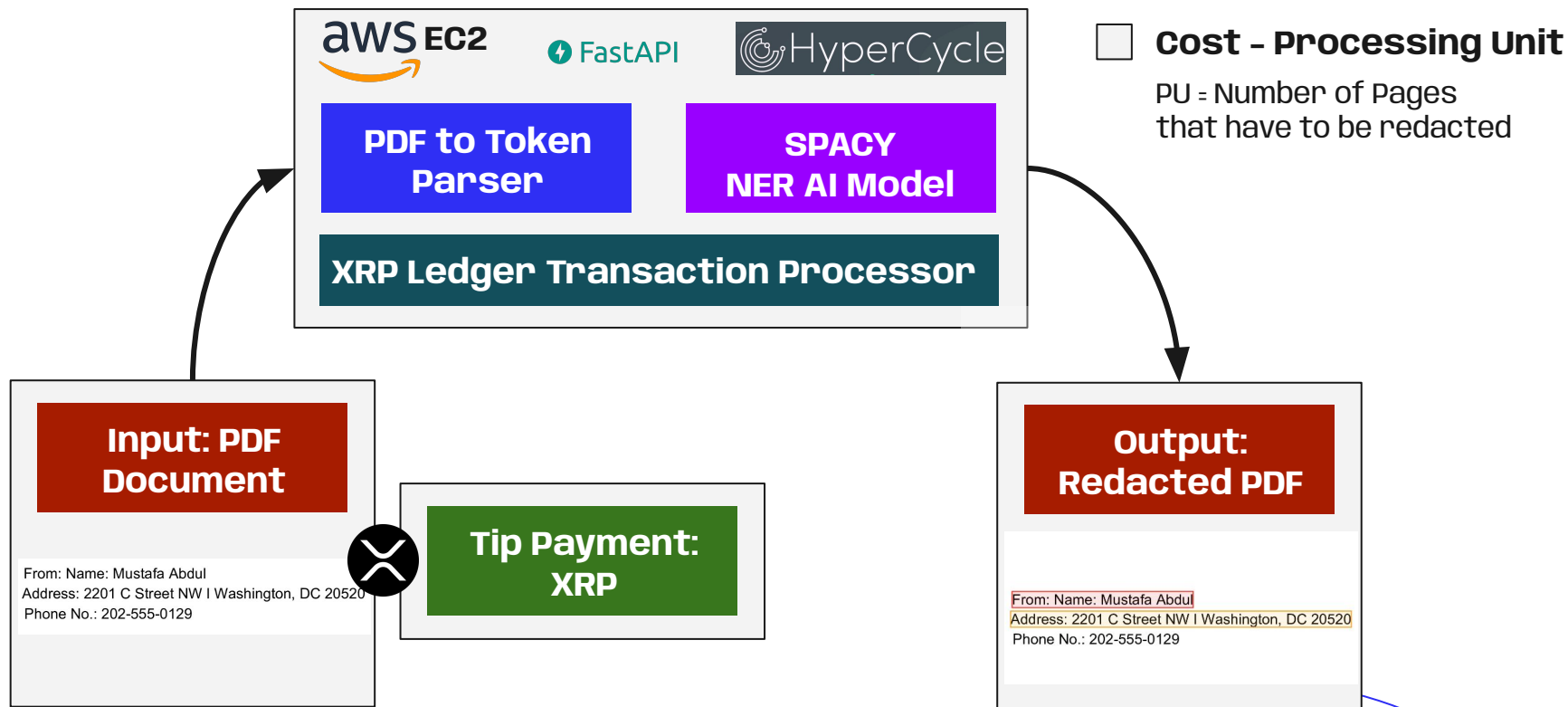


## NLP Model - Spacy

We have used spacy - a lightweight **named entity recognition (NER)** model for this project



# Proposed Workflow





# XRP Tip Payment (using Testnet)



## Consumer Wallet

### Your Testnet Credentials

#### Address

rEGugmgEogLNI7ZcCkFAtMNrbqvZ7VAQAE



## Service Provider Wallet

### Your Testnet Credentials

#### Address

rNGukvjVrQhMpFXWMD4Sxvc2mxHMmJtcHJ





# Demo





# Next Steps



## Priority 1

Make the service run on the ARM-based edge-computing hardware of the HyperAiBox



## Priority 2

Build a simple UI for consumers to use this service



## Priority 3

Make money!





# Thanks!

**HyperCycle Team: Robert, Barry + Fabian**  
**BlockHack Organizers**

**Reach us at:**

Anurag Bejju



**Do you have any questions?**