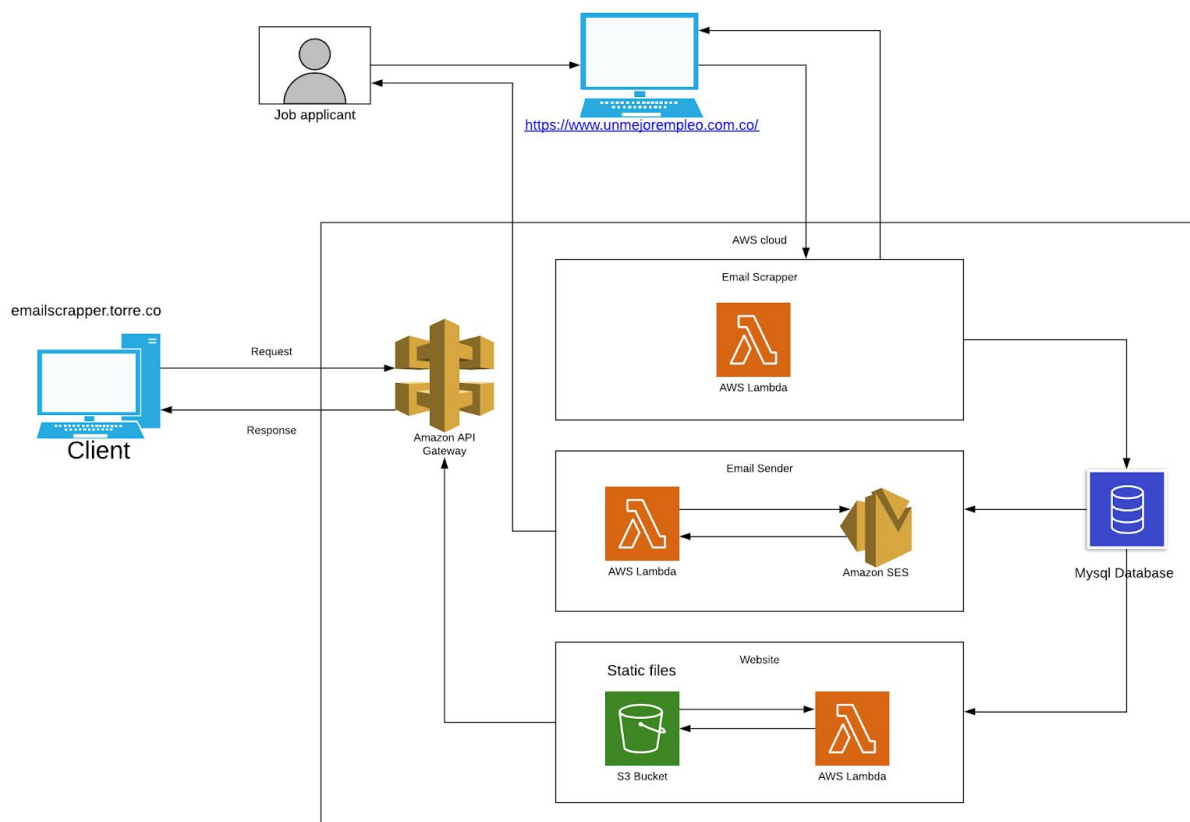


# MVP specification

The service will scrap the Torre company account from time to time on the “Un mejor empleo” job search platform and will obtain the email address of the applicants to the offers published by this account. Once the applicants' emails have been obtained, the app will send a direct message, by email, with the following steps to the Torre job application.

## Architecture



## APIs and Methods

### 5MinutesProblem Methods

5MinutesProblem provides the functions needed to get the email address and send an email.

- **playLogin(url):**

Start the process to scrap the emails in the Torre account.

Example:

```
playLogin('https://www.unmejorempleo.com.co/')
```

Parameters:

url = domain name job search platform to scrap

:

- **startBrowser():**

Launch the browser and create a new page.

Example:

```
startBrowser()
```

Parameters:

none

- **closeBrowser(browser):**

Close the browser and its pages.

Example:

```
closeBrowser(browser)
```

Parameters:

browser = Object reference to launched browser

- **getEmails(page, candidate):**

Get the new applicants' email address.

Example:

```
getEmails(page, 'div a#user1')
```

Parameters:

page = Object reference to the current page(tab)

candidate = selector to query

- **sendEmailApplicants(emails, message):**

Send a message to each email address in the function getEmails.

Example:

```
sendEmailApplicants('arvichan@hotmail.com', 'Hola jorge')
```

Parameters:

email = applicant's email address.

message = custom message will be send

- **messaGenerator(candidateInfo, messageTemplate):**

Generate a message with the candidate Information.

Example:

```
messaGenerator({name: Arturo, email: arvichan@hotmail.com}, 'Hola <nameUser>')
```

Parameters:

candidateInfo = Personal Information provided by candidate

messageTemplate = Template to fill in information

- **getCandidate(InfoCandidate):**

Get the candidate information.

Example:

```
GetCandidate(<tr><td>Arturo</td><td>arvichan@hotmail.com</td></tr>)
```

Parameters:

infoCandidate = Candidate information to scrap

- **saveEmail(status, email):**

Save the email in a database

Example:

```
SaveEmail(1, 'arvichan@hotmail.com')
```

Parameters:

status = sending email status

email = email address

- **saveOffer(offerJob, email):**

Save the offer job in a database

Example:

```
saveOffer('software engineer at Holberton', 'arvichan@hotmail.com')
```

Parameters:

offerJob = Offer job to apply

email = email address

## Puppeteer API

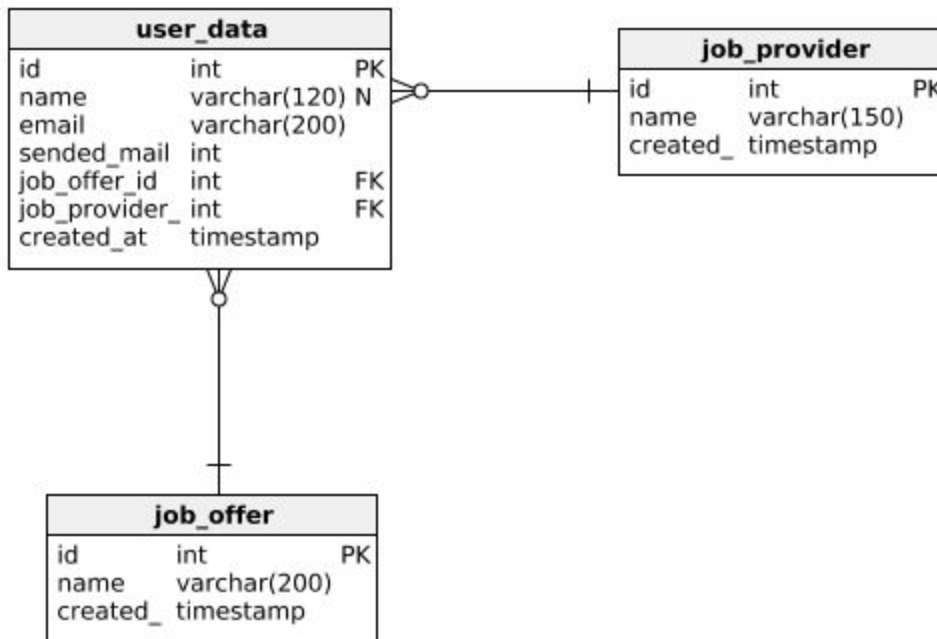
Puppeteer is a Node library which provides a high-level API to control Chromium or Chrome over the DevTools Protocol. The Puppeteer API is hierarchical and mirrors the browser structure.

- **puppeteer.launch([options]):**  
Load the browser
- **browser.newPage():**  
Create a new page(tab) on the browser
- **browser.close():**  
Close the browser.
- **page.click(selector[, options]):**  
Make a click in a element
- **page.evaluate(pageFunction[, ...args]):**  
Get the DOM and can handle it.
- **page.waitForSelector(selector[, options]):**  
Wait until the specific address appears on the page.
- **page.setViewport(viewport):**  
Set a view port of the browser.
- **page.goto(url[, options]):**  
Goes to a url pointed.
- **page.keyboard(str):**  
Simulate the keyboard writing.

This is the puppeteer API documentation:

<https://github.com/puppeteer/puppeteer/blob/master/docs/api.md>

# Data Model



## User Stories

As a Torre recruiter, I want to have a direct channel with candidates applying from another job search platform like Un mejor empleo, so I can only focus on doing interviews.

As a Torre job candidate, I want to have a direct channel with the Torre recruiters once I have applied for a job, so I can be sure that my application will be attended.

As a Torre HR manager, I want to have the statistics of what is the most active platform to offer jobs, so I can redirect the jobs offered.

As a Torre recruiter, I want to efficiently improve the time to contact a candidate, because it is currently 2 days since the candidate applies for a job offer in a third party job search.

# Mockups

