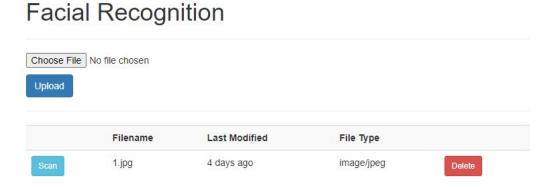
# Facial Recognition Application

By Sean Remenyi

## What is it

An application where:

- -users can upload a picture of themselves
- -pictures analyzed using AWS' machine learning
- -metrics returned



# Results

Age Range:

Gender

Mustache

Beard

Glasses

Sunglasses

Eyes Open

Mouth Open

Smile

**Emotions** 

Нарру

Sad

Angry

-"Female"

Back

Confidence

99.82351684570312

99.82327270507812

99.49271392822266

99.94226837158203

99.98467254638672

97.28523254394531

90.56816101074219

97.33445739746094

23 - 35

false

false

false

false

false

false

false

Confidence

63.6105842590332

0.1281716525554657

0.16057978570461273

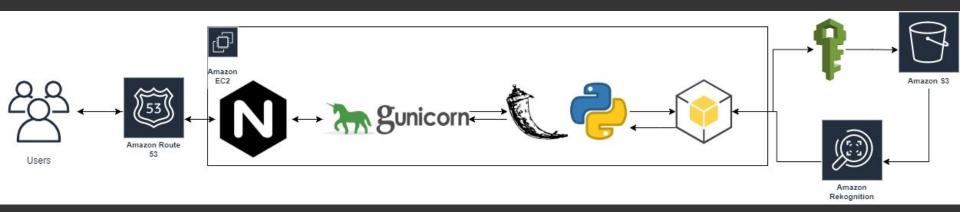
# **AWS Services**

- -IAM: Users/Roles to use S3 and Rekognition
- -EC2: Hosting the Application
- -S3: Object Storage for images
- -Amazon Rekognition: AWS artificial intelligence service
- -Route53: DNS web service



#### —

# Data flow



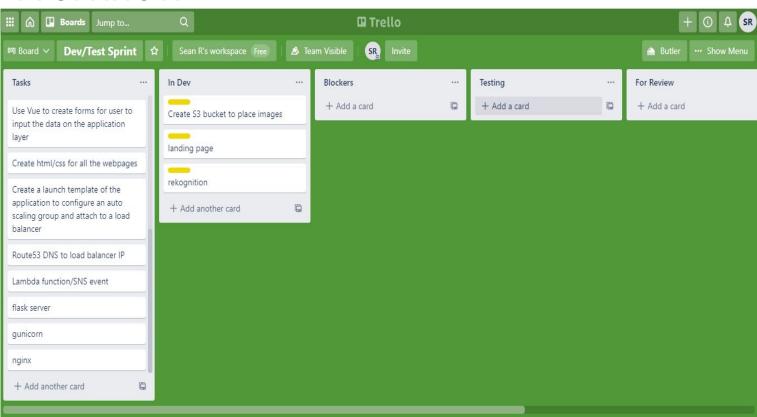
#### **Hosted:**

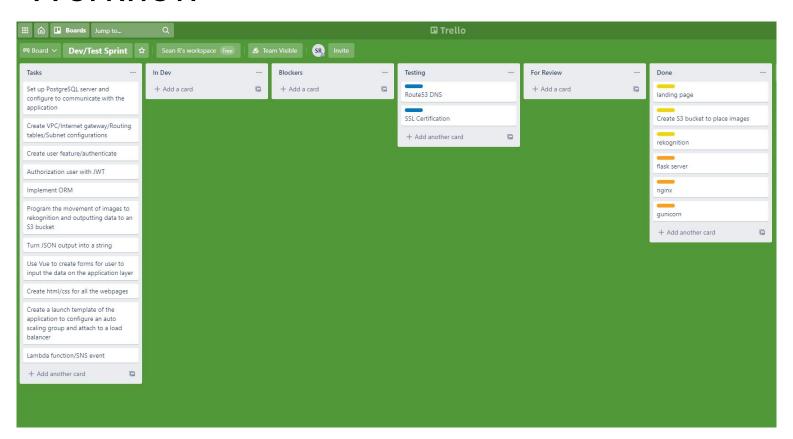
http://nuage.technology

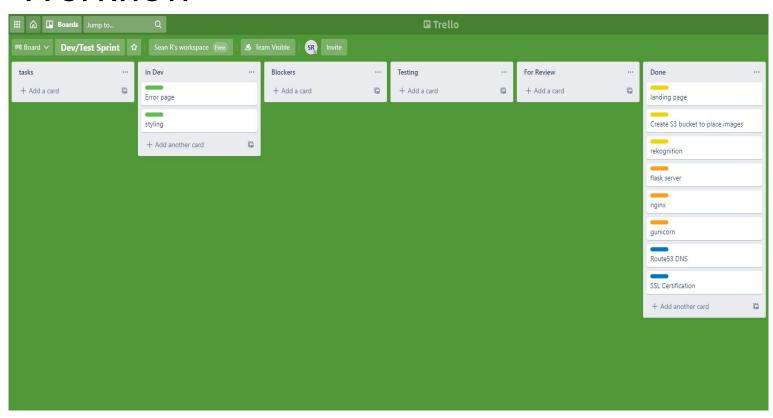
https://nuage.technology

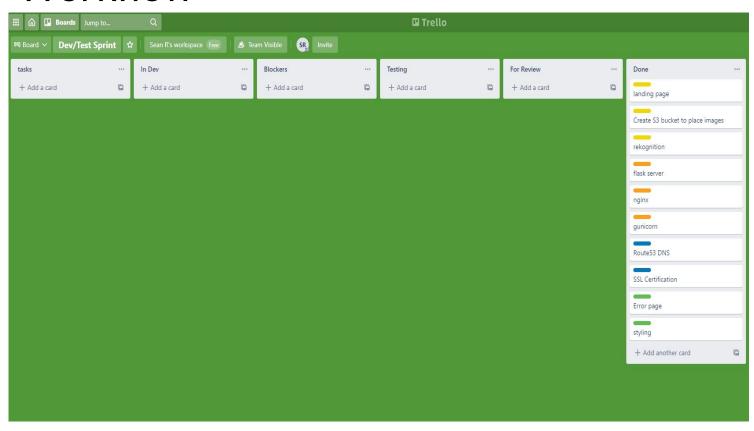


# **APP RUN THROUGH**









	Features			Pages			
Name	Upload a picture	Delete a picture	Scan	Landing Page	Upload Page	Results Page	Comments
Joe Chamand	works	works	works	works	works	works	cool app
Paul Fullart	works	works	works	works	works	works	all good
Brendan Remenyi	error	works	works	works	error	coudn't reach	Hit an error page
Camille Mohabir	works	works	works	works	error	coudn't reach	stopped working
Tara Remenyi	works	works	works	works	error	coudn't reach	couldn't get past homepag
Michael Wynan	works	works	works	works	error	coudn't reach	Got an error
Max Conzenz	works	works	works	works	error	coudn't reach	Reached an error page
	The same of the sa						
in product	lion						
in product	tion	Features			Pages		
In product	Upload a picture		Scan	Landing Page	Pages Upload Page	Results Page	Comments
Name			Scan works	Landing Page		Results Page works	Comments works fine
Name Joe Chamand	Upload a picture	Delete a picture			Upload Page		
Name Joe Chamand Paul Fullart	Upload a picture works	Delete a picture works	works	works	Upload Page works	works	works fine
Name Joe Chamand Paul Fullart	Upload a picture works works	Delete a picture works works	works works	works works	Upload Page works works	works works	works fine working good
Joe Chamand Paul Fullart Brendan Remenyi	Upload a picture works works works	Delete a picture works works works	works works works	works works works	Upload Page works works error	works works error	works fine working good still getting an error

#### botocore.exceptions.ParamValidationError

botocore.exceptions.ParamValidationError: Parameter validation failed: Invalid length for parameter Key, value: 0, valid min length: 1

#### Traceback (most recent call last)

```
File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 2464, in __call__
return self.wsgi_app(environ, start_response)

File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 2450, in wsgi_app
response = self.handle_exception(e)

File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 1867, in handle_exception
reraise(exc_type, exc_value, tb)

File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/_compat.py", line 39, in reraise
raise value

File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 2447, in wsgi_app
response = self.full_dispatch_request()

File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 1952, in full_dispatch_request
rv = self.handle_user_exception(e)

File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 1821, in handle_user_exception
reraise(exc_type, exc_value, tb)
```

#### botocore.exceptions.ClientError

botocore.exceptions.ClientError: An error occurred (ExpiredToken) when calling the ListObjects operation: The provided token has expired.

#### Traceback (most recent call last) File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 2464, in \_\_call\_\_ return self.wsgi\_app(environ, start\_response) File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 2450, in wsgi\_app response = self.handle\_exception(e) File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 1867, in handle exception reraise(exc\_type, exc\_value, tb) File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/\_compat.py", line 39, in reraise raise value File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 2447, in wsgi\_app response = self.full\_dispatch\_request() File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 1952, in full\_dispatch\_request rv = self.handle\_user\_exception(e) File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 1821, in handle user exception reraise(exc\_type, exc\_value, tb) File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/\_compat.py", line 39, in reraise raise value File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 1950, in full\_dispatch\_request rv = self.dispatch\_request() File "/home/ubuntu/environment/t4/src/venv/lib/python3.6/site-packages/flask/app.py", line 1936, in dispatch\_request

#### Uh-Oh, There's an error

#### Possible reasons:

Hit the upload button before a file was chosen

Uploaded a non image file

Sean's broke and stopped the Server

Let's Try Again

# nuage.technology

# Thank You