

Web Design

# ONLINE PORTFOLIO BACKEND

Joe Klakus



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## About Me

A developer with a strong foundation in programming logic and the ability to apply it to different languages, with a focus on JavaScript including ES2015 syntax and TypeScript. I am also a creative and efficient thinker with strong communication skills, which are essential for working effectively on a team, especially in a remote setting

## Most Used

Node JS

Express

JavaScript

## I've Dabbled

Golang

PHP

## DB's

Postgres

Mongo DB

MySQL

Node JS


Next.JS

Kiwi Api

# Flight Match

Flight Match is a powerful flight API that helps you easily find the cheapest flights to your desired destination. Using the Kiwi-Tequila API and JavaScript functions, Flight Match allows you to search for flights to a region from multiple departure points,. Its user-friendly interface is built on the Next.JS platform,

[Link Here](#)

 FlyMatch

FLIGHTSHOTELSCAR RENTAL

Endless destinations, endless possibilities  
Where will you fly next?

Departure #1:

Add


Destination:  
-- Select Destination --

Departure Date:  
mm/dd/yyyy

Return:  
☐

Search

☐ Explore Mode





Node JS

Express JS

TypeScript

Prisma

PostgreSQL

# Dive Site Api

The application is a full CRUD API built using Node.js with TypeScript and Express.js. It utilizes Prisma as an ORM and is linked to a Cockroach PostgreSQL database. The API has search endpoints that allow users to search by country, region, or GPS coordinates, which can be used with a map. The API contains information on 17,000 dive sites worldwide and is hosted on RapidAPI.

[Link Here](#)





PHP

OOP

MySQL

# E-Commerce Backend

The backend is written in PHP was for a take home task for an interview and enables users to add and delete products. The code is structured using object-oriented programming principles. The main product logic is contained within an abstract class that demonstrates polymorphism. The MySQL logic is handled using objects with properties, and setters and getters are used to achieve this. This backend provides a structured and organized approach to managing product information.

[Link Here](#)

## Product List

ADD

MASS DELETE



SKU: 98776653

War and Peace

\$12

Weight: 1 KG



SKU: 98776655

Chair

\$60

Dimensions:  
24x26x75 CM

SKU: 98776656

Table

\$75

Dimensions:  
80x76x17 CM

SKU: 98776659

Beatles

\$22

Size: 890 MB



SKU: SKUTest000

NameTest000

\$25

Size: 200 MB



SKU: SKUTest001

NameTest001

\$25

Weight: 200 KG



SKU: SKUTest002

NameTest002

\$25

Dimensions:  
200x200x200 CM



Node JS

Next.JS

Cheerio

Prisma

PostgreSQL

# Udemy Link Validator

The web application is built for an upwork client and is designed to determine whether Udemy links are on discount or not. Users can enter a list of Udemy URLs separated by line breaks, and the application will scrape each page and check if the price is reduced. The application utilizes Cheerio to extract relevant data from each page and Node.js to perform the necessary calculations. The deployed version here will time out due to free webhost limits but the actual version can return 100 urls in about 10 secs.

[Link Here](#)

## Udemy Deal Dash

Your Ultimate Coupon Code Checker!

Enter urls here seperated by line breaks. E.g. `https://www.udemy.com/course/fluttercourse/?couponCode=FE32sd023`

```
https://www.udemy.com/course/fluttercourse/?couponCode=FE32sd023
https://www.udemy.com/course/fluttercourse/?couponCode=FE32sd023
https://www.udemy.com/course/fluttercourse/?couponCode=FE32sd023
https://www.udemy.com/course/fluttercourse/?couponCode=FE32sd023
```

SUBMIT



Udemy Deal Dash is here to save the day. Simply input your Udemy link and coupon code then hit submit, and we'll do the rest. Our database updates in real-time, ensuring that you always get the most accurate and up-to-date information and returns list of the paid courses and ones which are free at the moment. Get ready to level up your learning journey with Udemy Deal Dash! . ⚡

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Node JS

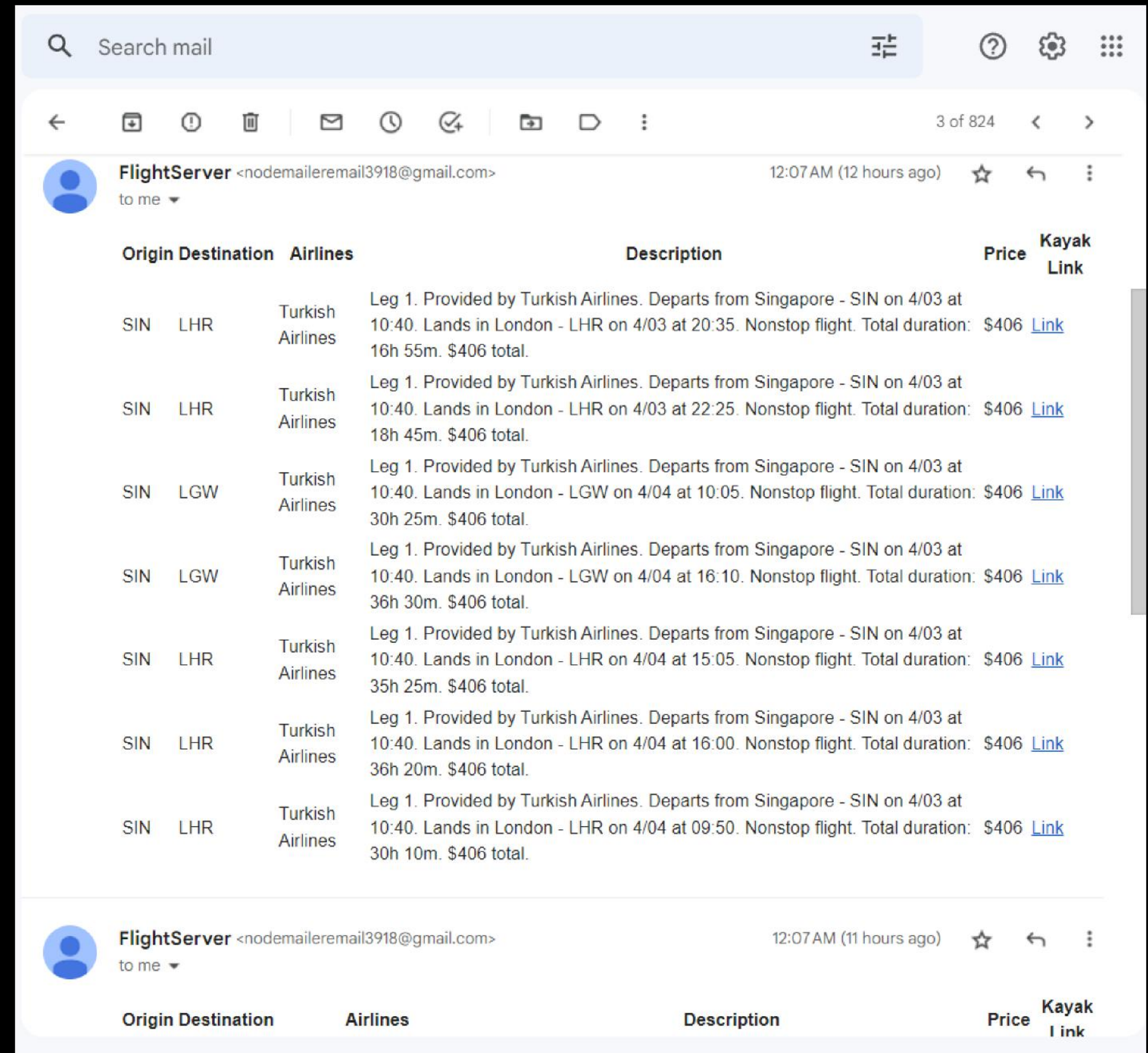
Express.JS

Cheerio

Nodemailer

# Flight Emailer

This API is built using Node.js, Express, and Cheerio and is designed to scrape flights under a certain price on a particular day. The API utilizes Cheerio to extract relevant data from web pages and is designed to send an email via Nodemailer if any results are found. Users can specify the maximum price they are willing to pay for a flight and the desired date of departure. The API will then scrape various travel websites and return any flight options that meet the specified criteria. If flights are found, an email is sent to the user via Nodemailer, providing them with the relevant flight information.





Node JS

Next.JS

# Clean Mail

Made for a private client. It is built with Node and features a Next.js frontend.

Users can simply input an array of emails, and the app will verify each email address. The app then generates a list of valid emails, which can be copied.

In addition to the list of valid emails, the app also generates a visual graph that highlights what went wrong with the invalid email addresses.

This can be useful for troubleshooting issues with invalid email addresses and identifying patterns in email validation failures.

[Link Here](#)



## CLEAN MY MAIL

chrwin@windows.live.com,dmbkiwi@att.net,noticias@com.me,houle@sdsd.com,tamas@verizon.net,gmcga  
th@yahoo.ca,msroth@aol.com,morain@sbcglobal.net,makarow@mee.com,chronos@sbcglobal.net,sumdum  
ass@yahoo.ca

Number of emails:

CLEAN IT NOW !!!

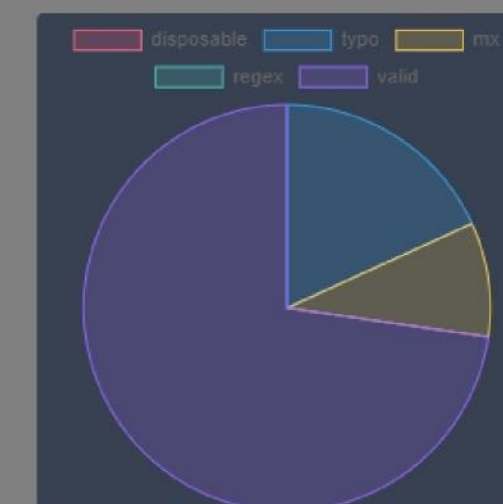
chrwin@windows.live.com,dmbkiwi@att.net,noticias@me.com,houle@sdsd.com,tamas@verizon.net,gmcga  
th@yahoo.ca,msroth@aol.com,morain@sbcglobal.net,makarow@me.com,chronos@sbcglobal.net,sumdum  
ss@yahoo.ca

Number of clean emails: 8

chrwin@windows.live.com,noticias@com.me,makarow@mee.com

Number of emails removed: 3

Disposable emails: 0  
Spelling issues: 2  
Server not found: 1  
Wrong format: 0  
Valid: 8





# Ai Slack Bot

An AI bot which can communicate with users on the Slack platform and respond to messages using OpenAI's natural language processing capabilities.

"@slack/bolt" package provides the bot with functionality to listen for incoming messages, authenticate with Slack, and send responses back to users. "openai" processes user input and generates intelligent, contextually relevant responses. Also, the bot can use "openai" to generate pictures.

## Not deployed at the minute

