



Halil Tezcan KARABULUT

FULLSTACK WEB DEVELOPER

PROFILE

I'm a 16 years old, full-stack web developer. Mainly working on back-end side. I'm currently full-time freelancing and learning about DevOps.

CONTACT ME

PHONE NUMBER

+90 5541313475

EMAIL ADDRESS

unity@themaker.cyou

PERSONAL SKILLS

Team work	● ● ● ● ●
Planning	● ● ● ● ●
Full-time	● ● ● ● ●
Code Quality	● ● ● ● ●
Finish on time	● ● ● ● ●

EDUCATION

Şehit Aytekin Kuru AL

2019 – 2022

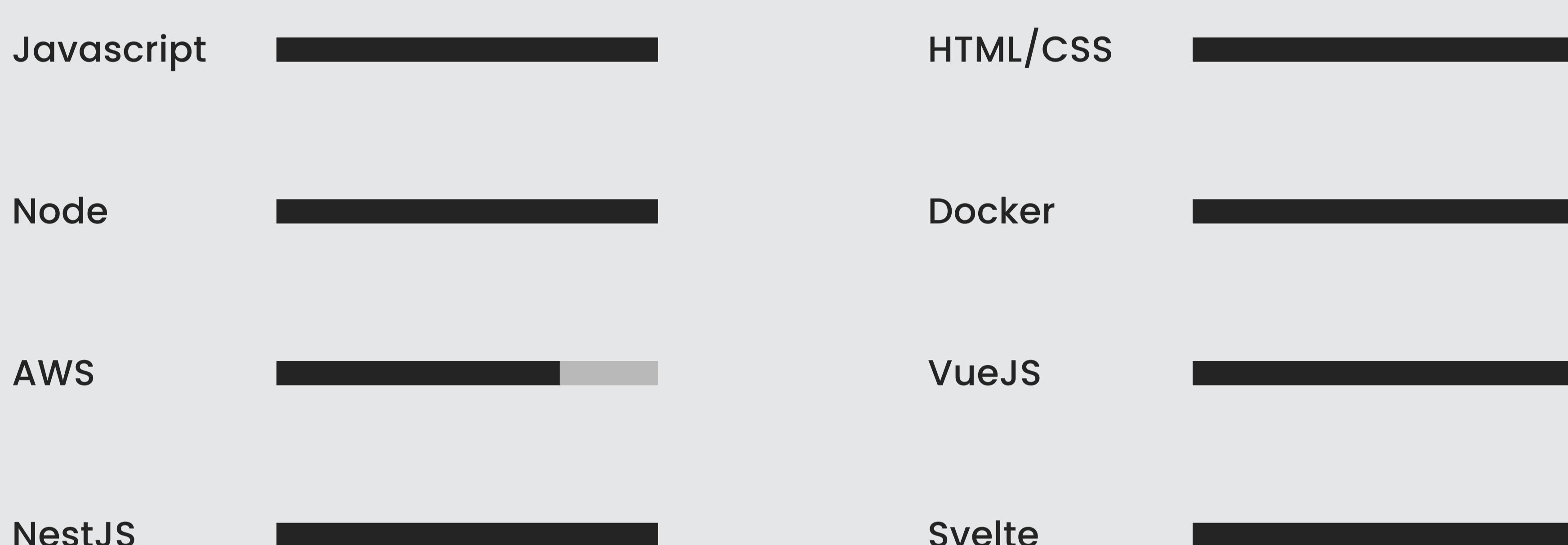
The high school I've attended.

Homeschooling

2022 – 2023

As a matter of fact, I decided to be a self-taught student same as how I became a self-taught web developer.

PROFESSIONAL SKILLS



WORK EXPERIENCE

Redoya İnternet ve Bilişim Hizmetleri

2020 – 2021

My first job experience was started here. It was a great experience for learning experience about servers and customers.

Freelancing

2021 – 2022

I also freelanced while working and currently freelancing full-time.



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Full-stack Web Developer
Turkey, Ankara

RESUME

Hello, I'm Halil. I started programming when I was 10 years old. When I was 9, I was attracted in electronics and technology. I started with C# first but it was heavy for me and I gave up. Instead I started with Arduino. Made every single thing possible that I can make with the possibilities till my age 12. Then I decided to create a final project with it, a voice assistant but unluckily it failed for Arduino's capabilities. So, I found a new card named Raspberry Pi which is very popular in the Internet of Things/Embedded Systems which is actually a working computer with 40 pinouts. I didn't understand how to run it at first and started to web development too. Then this time, high school entrance exam appeared and I just postponed it. After the exam I wasted whole summer with playing games but in high school I really learned about web too much. Actually, pandemic was a great advantage for me. I learned a lot in the pandemic and I freelanced, I made thousands of TRY revenue in a very short time. After that, I started working at a hosting company named Redoya, it was great experience with the servers and I've left because I think I don't get enough for my hard work. Now I'm freelancing.

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TOOLS

Back-End & DevOps: I prefer micro-services or serverless (FaaS) architecture in my nearly all projects including the freelance. It's like a standard for me. I'm using NestJS framework for back-end with GraphQL, Postgres and PrismaJS. Using NodeJS & Docker. I also have made an auto-scaling big data project before (creating a word cloud by comparing the count of the words included in a text, for counting it uses map-reduce algorithm), deployed it to the AWS platform and started learning & comparing other platforms. So I have some experience on cloud platforms too.

Client-side/Front-End: For designing and prototyping I use Figma. I use VueJS with Vuesax for making web apps. For the smaller projects I prefer Svelte with Tailwind CSS, it's ~21x lighter than Vue.

Cross-Platform Application: I used Cordova & ElectronJS frameworks for making desktop applications and made a few apps with it before. Also made very simple mobile applications with Cordova when I was learning. In the future, I plan making apps with the Vue Native/Svelte Native. Also to connect the server I always use http/s for reliability and security.

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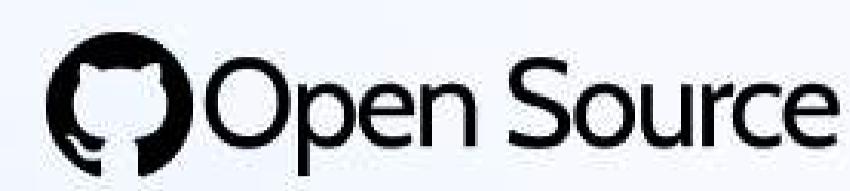
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Name Generator



NAME GENERATOR (NAME-GEN.STYLESHEETS.COM)

We wasted so much time about finding a name which is not taken. So we decided to make an open source tool that creates creative (weird) names for us. It will also check if the domain is not taken in the future.



ASSISKY

A tool for translating speech-to-text in a channel of a Discord server using Vosk & ffmpeg. Very useful for making assistant Discord bots.



WORD CLOUD

A micro-service web application which takes a text file as an input and creates a counting job using map-reduce algorithm. Afterwards, that job starts being managed by a master and the master distributes the job(s) between multiple EC2 instances while auto-scaling them when required. The services count all the words while excluding common words (like and, or, may...). As a result it saves most used 50 words in ElastiCache. When you go to artifacts page in browser, the API responds with that 50 words and their frequency and browser renders a word cloud using canvas. In this word cloud, words appear by their frequency in the input text. It works async so it can process multiple jobs at the same time at low cost. However, if I used Fargate project could be more scalable.



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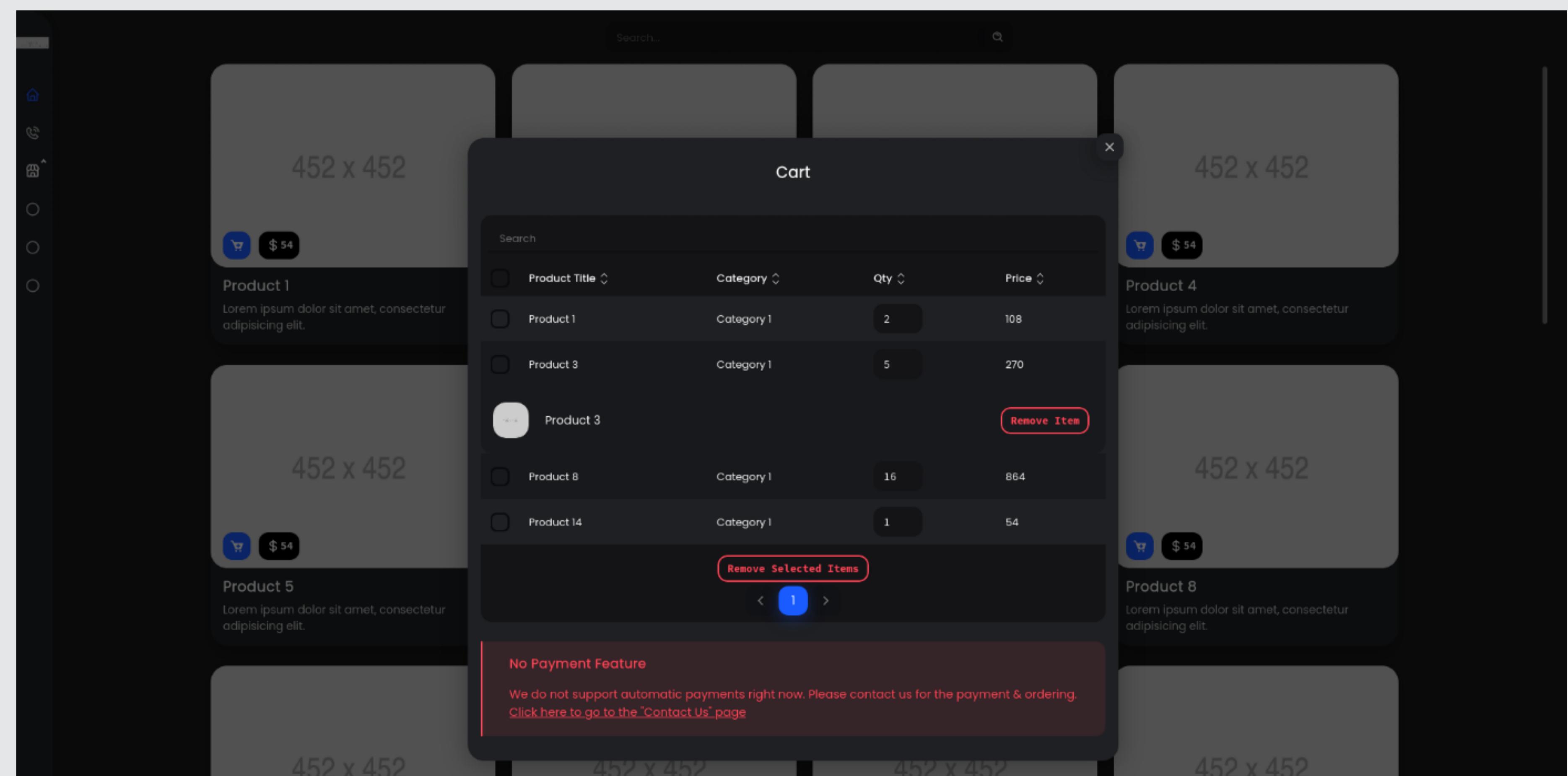
CYPHRIA

As we know, in todays world data is the most valuable thing for companies and us. They can easily get exposed when they are not hidden. There are ways to hide your data from them though, like encrypting them. There are too many encryption algorithms and I wanted to try how hard could it be to make one. I made a very simple algorithm; that takes a key, makes simple mutations on the data to make the decryption harder while brute-forcing like flipping bits, reverting bytes. In between these mutations, it also orders the data by looking at the key. It doesn't add any headers or validators, so when you brute-force you never know when you succeed. There are also some example tools I made with it like a password manager but this algorithm is probably very insecure.

(index)	category	term	type
0	'Common Usage (en->tr)'	'ürkütmek'	'v.'
1	'General (en->tr)'	'tedirginlik yaratmak'	'v.'
2	'General (en->tr)'	'irkiltmek'	'v.'
3	'General (en->tr)'	'sıçramak'	'v.'
4	'General (en->tr)'	'ürkmek'	'v.'
5	'General (en->tr)'	'irkilmek'	'v.'
6	'General (en->tr)'	'ürkütmek'	'v.'
7	'General (en->tr)'	'şasırtmak'	'v.'
8	'General (en->tr)'	'tedirginlige neden olmak'	'v.'
9	'General (en->tr)'	'korkutmak'	'v.'
10	'General (en->tr)'	'şaşmak'	'v.'
11	'General (en->tr)'	'korkutup kaçırırmak'	'v.'

TUREN

Simple cli to easy access Tureng via it's API.



SIMPLE-COM (WIP)

A simple e-commerce system made with VueJS, has no payment feature but has a contact page. Which you can create a link to your prepared the cart and share it with the seller. However I know this is very ridiculous and it will have a payment feature soon.



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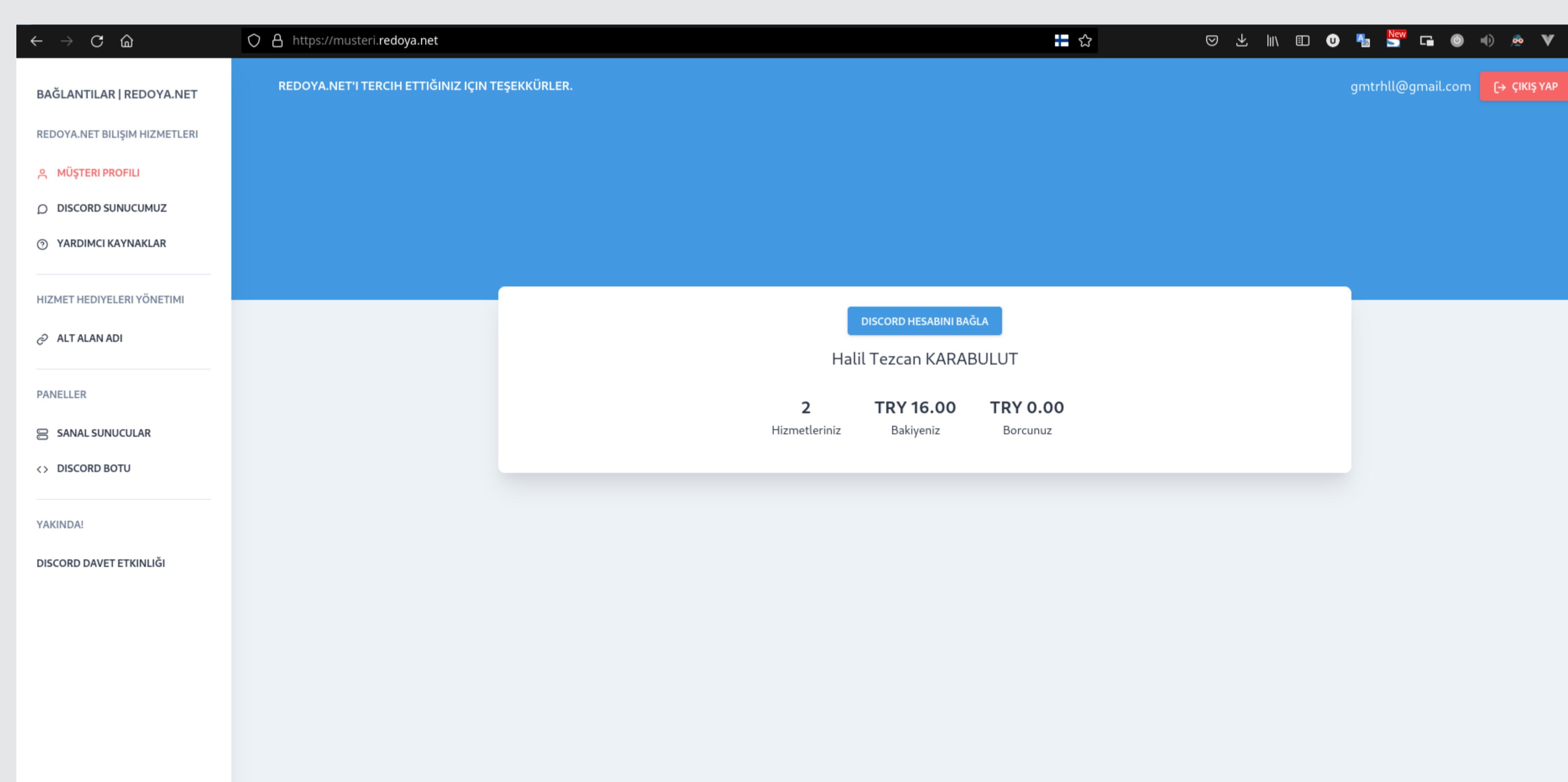
Code Quality

Finish on time



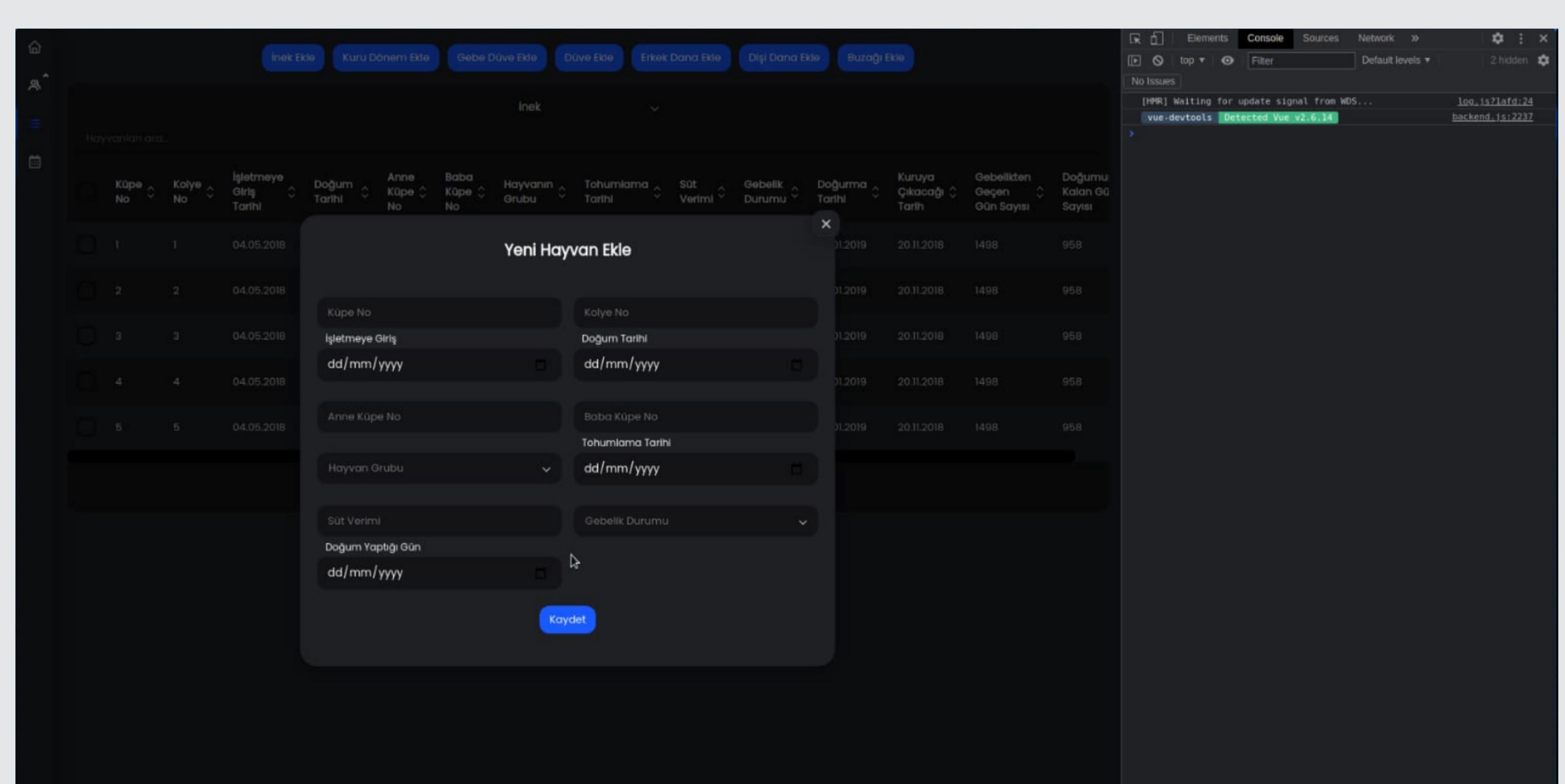
REDOYA PAY

An easy to use payment gateway made for game server owners to sell in game items online. Uses PayTR integration to process payments and prepares payment page in the background with no back-end requests. More details at:
<http://docs.pay.redoya.net/tr/Tam.html>
<https://github.com/redoya>
Demo: <https://node-demo.pay.redoya.net/>
(Since Redoya.NET is shutting down demo may not work.)



REDOYA CP

A control panel hub as a web app to merge multiple control panels (like WHMCS, Pterodactyl, AutoVM) in one simple control panel to manage anything.



HERD MONITORING

A powerful desktop application to monitor herd in a factory. List all of the details of your animals. Filter them, edit them, get warned when they are near birth or when they needs to get vaccinated. Deployed on AWS using Lambda, CloudFront and RDS made with NestJS, Prisma, GraphQL and Vue, Vuesax, Electron, ApolloJS.



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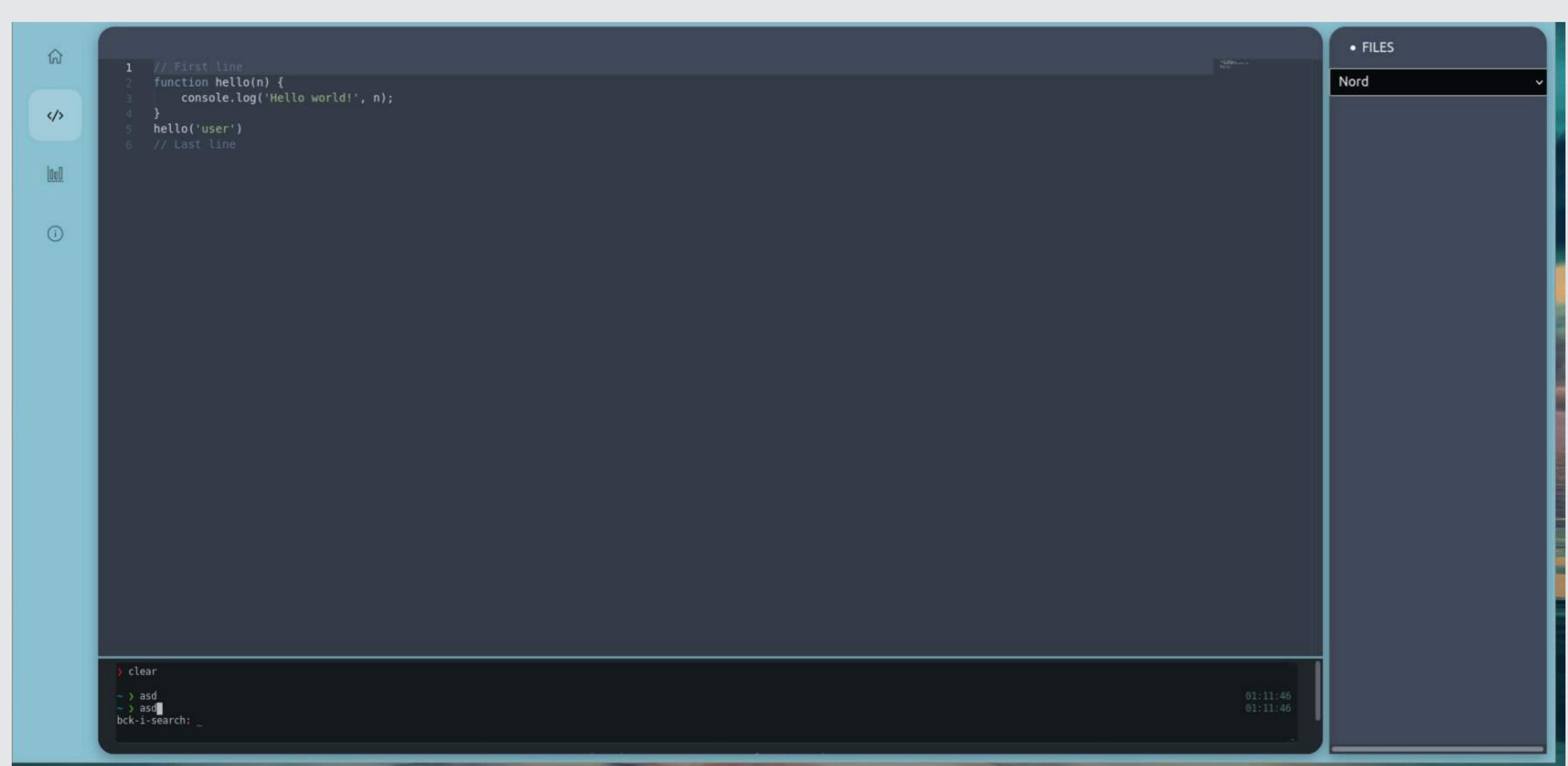
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RSS TO DISCORD

A simple integration that tracks game news from multiple forums and publishes all newly added topics in multiple Discord channels by looking at that topic's category.



WORKSPACE.MIDDLEWAR.COM (WIP)

Middlewar is a cloud platform project which is inspired from Firebase, Glitch.com, Gitpod.io, WireGuard, Kubernetes and Firecracker VMM. Ambition is to make a cloud platform without the needing to DevOps specialist. Platform will mainly include features that developers needs; like storage, functions, database, content delivery, mailing and networking as a service. It will have easy to set-up CI/CD option for Git VCS with auto-deployment feature which is configured in a developer-friendly settings page. It will also have a web IDE including some helpers for the platform and the picture above is the current work's checkpoint.