

Datafruits.fm

a (international) community
built around internet radio



me

- Web development, DJing, music, etc
- From US
- Lived in Japan for 5 years
- Currently in South Korea

On most of the things as @freedrull

[mcfiredrill]: what is a DJ if they don't chunk it every once in awhile



I wrote a book about liquidsoap once..

(out of date by now)

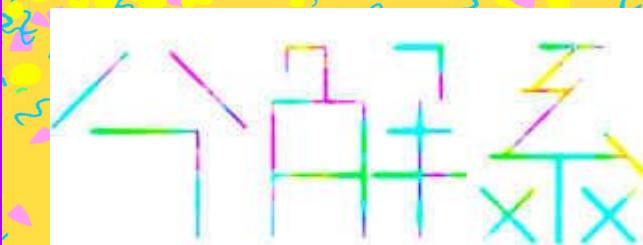


Why radio



Loved the style of UK bass music pirate radio, wanted to imitate it online

Wanted to showcase japanese netlabels like maltine



Bunkai-Kei records





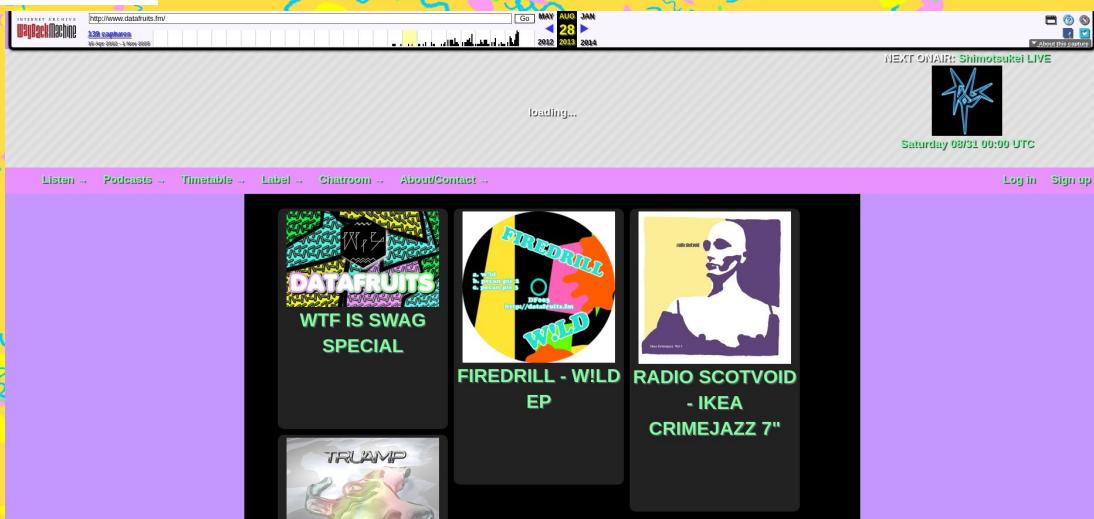
First versions of the site

Started in late 2011/early 2012

Just used icecast at first

Wanted more automation, more control

Enter liquidsoap!





Rewrote frontend in as SPA (ember.js)

The screenshot shows a web application interface for 'datafruits.fm'. At the top, there's a navigation bar with links: 'Podcasts →', 'Timetable →', and 'Label →'. The main area features a large blue background with various graphic elements: a black circle with white dots containing text messages from users 'tony' and 'wonky'; a red triangle; a yellow staircase graphic; and a spiral icon in the bottom right corner. On the right side, there's a sidebar with the 'datafruits.fm' logo and user names 'tony' and 'wonky'. A text input field at the bottom left contains the placeholder ':sunglasses:' and a 'Send' button. At the very bottom, a blue footer bar displays the text 'Now playing: California Games - California Games - VR Club - July 6, 2014 Next live on air:' followed by two green 'START VJING' buttons.

Podcasts → Timetable → Label →

datafruits.fm

tony tony
tony hi
tony whatsup
wonky joined the chat
wonky tone
wonky

:sunglasses:

Send

Now playing: California Games - California Games - VR Club - July 6, 2014 Next live on air:

START VJING START VJING



What it looks like today

Radio Chat Label About Blog Shop Subscribe

datafruits.fm

18:55:27 shaku left the chat

18:55:32 shaku joined the chat

18:55:53 shaku left the chat

18:55:58 shaku joined the chat

18:57:23 shaku damn this song slaps

18:58:15 synkretic this set has been some seamless techno bangers

18:58:20 shaku nice

18:58:24 shaku another techno enthusiast

18:58:25 synkretic shit that makes you forget about time passing

18:58:39 synkretic transient

19:00:04 chat joined the chat

19:00:12 shaku hi chat

19:00:42 synkretic it aint df chat without chat

19:00:49 amateurwaifu YUSUS

19:01:06 sharked_up joined the chat

19:01:10 synkretic the gutter viz have begun

bgs
hatch pea sea
gutter
amateurwaifu
dzosh
synkretic
mcfiredrill
shaku
chat
sharked_up

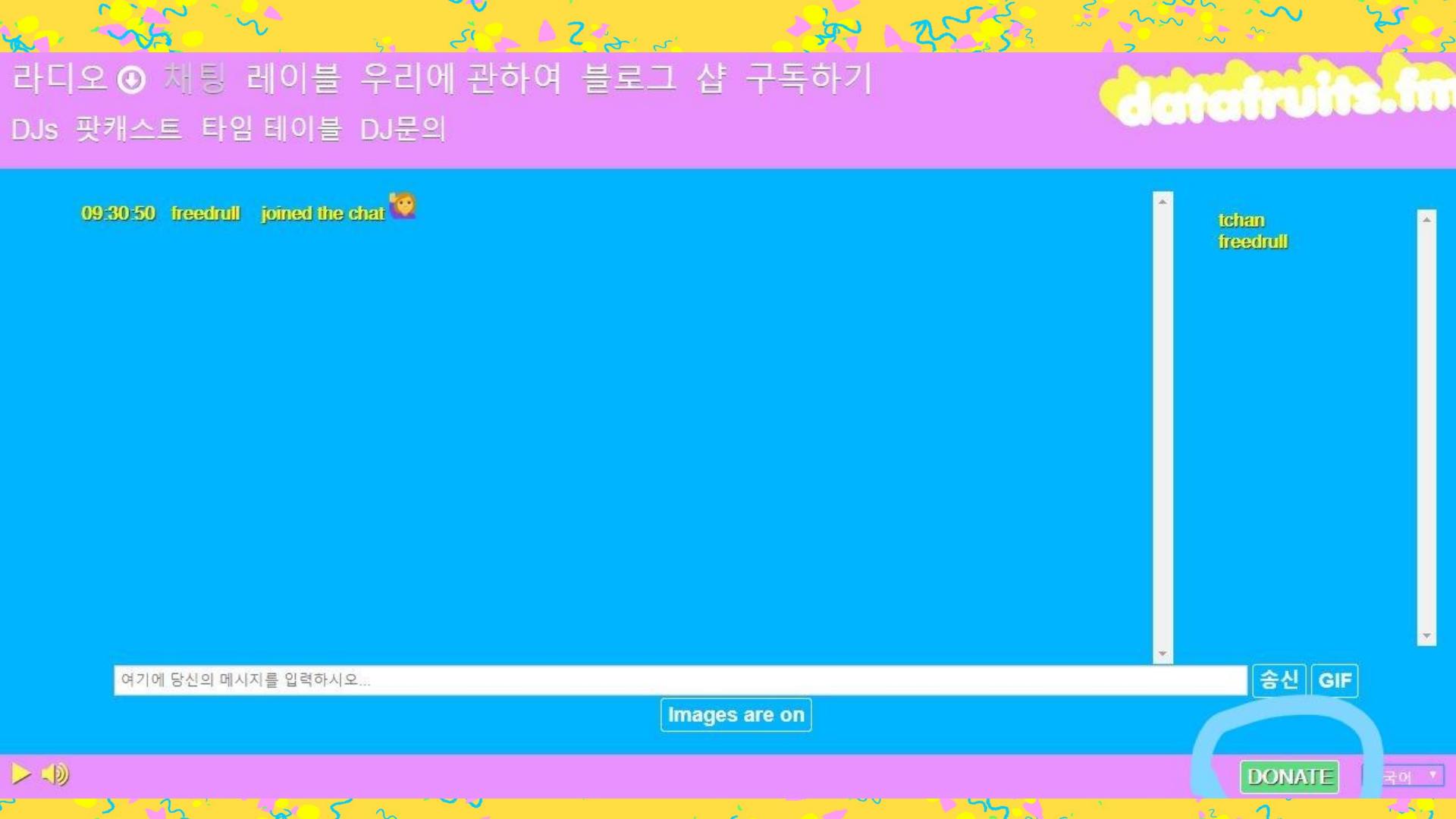
enter your message here... Send GIF

Images are on

[oaths]: he had square pants, you know...

LIVE -- princess_alienood

DONATE theme its just a website locale English



라디오 채팅 레이블 우리에 관하여 블로그 샵 구독하기

DJs 팟캐스트 타임 테이블 DJ문의

datafruits.fm

09:30:50 freedrull joined the chat

tchan
freedrull

여기에 당신의 메시지를 입력하시오...

송신 GIF

Images are on

DONATE

국어

18:20:41 dotay oh weird
18:20:47 dotay Im always chrome
18:20:53 dotay it could be acache thing
18:20:59 dotay blahhh
18:21:05 dotay all good firefizz
18:21:28 Moxie Chrome always worked with visuals before, just not today. Compruterz
18:21:39 Moxie i'll test on Opera too!
09:22:07 OperCheck joined the chat 🎨
18:22:18 OperCheck Opera also works :)
09:22:20 OperCheck left the chat 🎨
18:23:21 Moxie Windows explorer from win7 does not :P
18:23:26 Moxie so much learn
09:28:28 jellicacaca joined the chat 🎨
18:28:36 dotay yoooo
18:28:38 jellicacaca morning
18:32:51 dotay ambient jungle all about it
18:35:53 jellicacaca who was that again please?
18:36:06 dotay THUGWIDOW
18:36:11 jellicacaca yeah ambient jungle is nice. found a great youtune channel with lots of it
18:36:47 jellicacaca https://www.youtube.com/channel/UCAw0NyC_6y-se4zcQGbEgHA
18:40:02 jellicacaca all of the 90s
18:41:00 Moxie What's gumby's horses name again? Is it Pokey?
18:43:47 dotay yup pokey
18:43:56 dotay and thanks jelli will check for sure
18:44:54 Moxie Nice to know I can still remember some stuff
09:46:18 mcfiredrill gumby yessssssssss
09:46:19 mcfiredrill :grumby:
09:49:48 mcfiredrill litttt track
09:51:08 oak.dmg joined the chat 🎨

dotay
teenageremoqets
kimby
Moxie
jellicacaca
oak.dmg

enter your message here...

Send GIF Images are on

DONATE locale English



our liquidsoap setup

- Dj harbor input (auth'ed by hitting our API)
- Fallback to default playlist
- Output processed with `stereo_tool`
- Dj harbor input saved with `output.file`
- telnet/socket control to skip tracks/boot users etc
- Output to icecast (mp3/ogg) and a relay

<https://github.com/datafruits/radio>



How we recruited DJs

- Started out just asking my friends
- Emailed some DJs I liked to ask about guest mixes
- Now there is an application form, responses are sent to our chat room automatically and the community decides as a group who to approve



Shows

Good morning datafruits - italo

Terrible tuesday - electro/juke

Club trash - club music

Boogie idol - world music/jazz/fusion/jpop

City hunter - city pop/jazz



Streampusher

(yet another) radio management backend

LIVE - Fengir's Key 08-27-2016 12:23:36 JST LIVE mcfiredrill ⚡

- Dashboard
- Users
- Schedule
- Stats
- Media
- Podcasts
- VJ
- Radio Settings

Stream Title Update

Next

Upcoming Show

Good Morning Datafruits w/ @ovenrake
2016-10-26 09:00:00 +0900 - 2016-10-26 11:00:00 +0900
♪♪♪ Freaky Funky Freestyle LifeStyle ♪♪♪

Listeners

1

Peak:

Time	Listeners
2016-10-21 00:00:00 UTC	5
2016-10-21 03:00:00 UTC	~2
2016-10-21 08:30:00 UTC	~17

Twitter Blog Privacy Policy Terms of Service



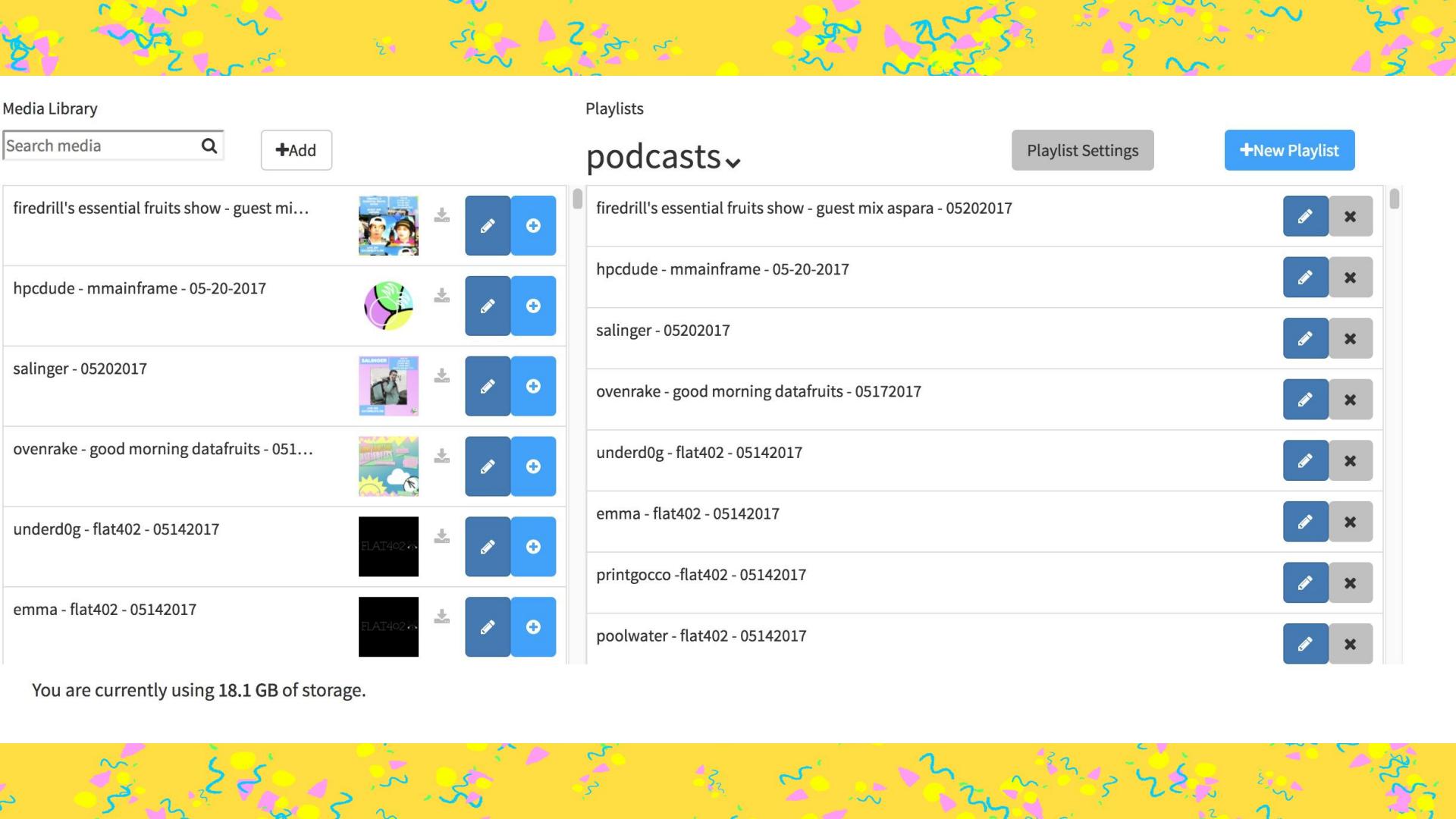
Add show

< > today

May 2017

month week day

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30 9:30a VR Club w/ VxSnickers	1	2	3	4	10a Internet Museum 4a wgn's Sweettooth Session 12p MMAINFRAME 2p MMAINFRAME	5 6
7	8	9	10	11	10a Internet Museum 12p MMAINFRAME 2p MMAINFRAME	12 13
14 3p gearsft / emma 5p FLAT402 - DAY2 10p FLAT402 - DAY1	15	16 10:30p Good morning datafruit	17	18 10a Internet Museum 4a SALINGER 12p MMAINFRAME 2p firedrill's essential fruits gue	19 20	
21	22	23	24 9a softserve	25 10a Internet Museum 12p MMAINFRAME 2p MMAINFRAME	26 27	
28 5a fengirl's key	29 9p pop'n ♥♥♥	30 10a pop'n ♥♥♥ 11a pop'n ♥♥♥	31	1 10a Internet Museum 12p MMAINFRAME 2p MMAINFRAME	2 3	
4	5	6	7	8 4a NXCMANSION presents ??? 10a Internet Museum 12p MMAINFRAME 2p MMAINFRAME	9	10



Media Library

Search media

+Add

Playlists

podcasts

Playlist Settings

+New Playlist

firedrill's essential fruits show - guest mi...



hpcdude - mmainframe - 05-20-2017



salinger - 05202017



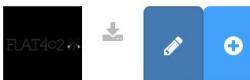
ovenrake - good morning datafruits - 051...



underd0g - flat402 - 05142017



emma - flat402 - 05142017



You are currently using 18.1 GB of storage.

NEW

Start my own saas, then i can finance the radio!

Or not...

- More difficult than I anticipated for one person
- Maybe not the kind of work I really wanted to do ?



PHP CEO
@PHP_CEO

I DON'T CARE WHAT YOU BUILT FOR FUN AND PROFIT

FUN IS FOR CHILDREN

JUST BUILD THINGS FOR PROFIT

3:21 AM · Jul 20, 2020 · Twitter Web App

38 Retweets 1 Quote Tweet 250 Likes

Started a Patreon page

Send stickers out every few months

It's not enough to live on , but at least it covers the server bills, etc.



Open source streampusher

github.com/datafruits/streampusher-api

We found potential security vulnerabilities in your dependencies.

You can see this message because you have been granted [access to Dependabot alerts](#) for this repository.

[See Dependabot alerts](#)

master ▾ 26 branches 0 tags

Go to file Add file ▾ Code ▾

mcfiredrill Merge pull request #61 from datafruits/add-listener-ability ... 31dc7cc 17 days ago 2,266 commits

.github/workflows fix syntax error 2 months ago

app add listener to permissions 18 days ago

backup commit backup/Gemfile.lock 8 months ago

bin signup WIP 6 years ago

About

api backend for streampusher

Readme

Releases

No releases published

Create a new release

Packages

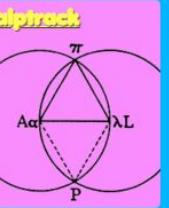
No packages published

Publish your first package

Began to focus more on community aspect

Radio Chat Label About Blog Shop Subscribe

datafruits.fm



▶ Peaches the Wale - datafruits5 - 01-08-2017

Next live on air: Thanks1 English ▾

everyone: love 2 play one genre



**datafruits djs:
you do know these things can play anysong right?**



March 2020 - DXDF

Nearly week long online “festival”

24/7 shows

The screenshot shows a live chat interface from datafruits.fm. The top navigation bar includes links for Radio, Chat, Label, About, Blog, Shop, and Subscribe, along with sections for DJs, Podcast, Timetable, and DJ on Datafruits. The main area displays a scrollable list of messages from various users, such as Zell, oliviacpu, yuna yuna, ohzvone:, syobon, J Mac, jonn & zaxy, and N3t4. The messages are timestamped and include various comments and reactions. To the right of the chat, there is a sidebar with a list of names and a scroll bar. At the bottom of the page, there is a text input field for sending messages, and buttons for 'Send', 'GIF', and 'Images are on'. The footer features a logo for SKYLAR SPENCE DXDF2020 and links for 'DONATE' and 'English'.

Radio Chat Label About Blog Shop Subscribe
DJs Podcast Timetable DJ on Datafruits

datafruits.fm

23:35:21 Zell REALLY dig this
23:35:28 Zell d
23:35:28 oliviacpu joined the chat 🎉
23:35:31 ksd6700 left the chat
23:35:35 NHK guy left the chat
23:35:40 leon pepsi chat what's up
23:35:38 yuna yuna joined the chat 🎉
23:35:43 ohzvone:) joined the chat 🎉
23:35:37 syobon YMCK is Japanese Chiptune Band
23:35:51 J Mac sup leon
23:35:53 jonn & zaxy 🎉🎉 olivia is here drink water
23:35:57 whoa This sounds like final fantasy
23:36:00 leon i ran out of weed @j mac
23:36:01 jonn & zaxy 🎉🎉 its like a healthy drinking game
23:36:04 RichardNixon bro saint pepsi this is kinda a departure from what you usually make and IT IS AWESOME
23:36:07 beard joined the chat 🎉
23:36:08 RichardNixon the 8bit is amazing
23:36:10 whoa left the chat
23:36:14 RichardNixon why are you good at every genre????
23:36:21 yuna yuna enjoying two online parties
23:36:18 J Mac @leon oh nooooo
23:36:19 N3t4 left the chat 🎉
23:36:24 kdawg joined the chat 🎉

enter your message here... Send GIF Images are on

SKYLAR SPENCE DXDF2020

DONATE English

DXDF

datafruits.fm/chat

03.28 08:00 PST - 11:00 EST - 15:00 UK
03.29 00:00 JST/KST

77777777

alptrack
calgames
djhkguy
fengir's key
Hojo
hpcdude
JDendê
kissmenerdygirl
lemonfune
mondaystudio
ovenrake

similarobjects
SKYLAR SPENCE

Sonia Calico

SR388

Swan Meat

TAK666

lchan

thanks1

rim

TZECHAR

UFO Online

Yoshino Yoshikawa

DXDF

datafruits.fm/chat

03.27

06:00 PST 09:00 EST

13:00 UK 22:00 JST

babyblue

calvomusic

dauragon

doctor data

firedrill

getdizzy

dj glitterqueen

harmful logic

Lighght

Limsum

nohighs

N3f4

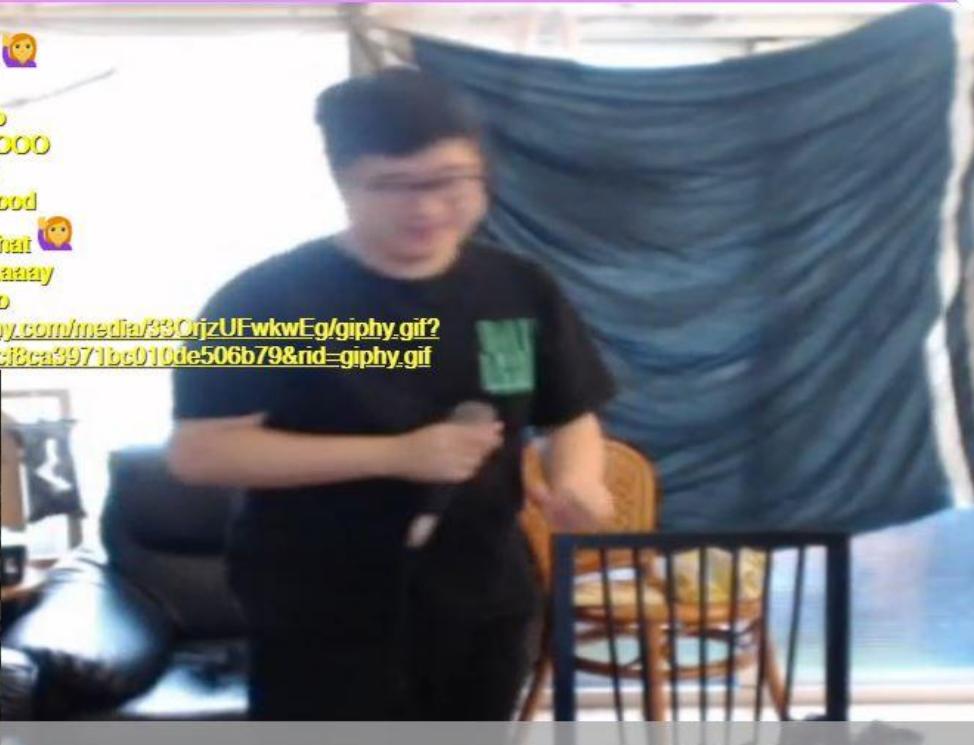
Pamey

Sonja

中村番台

DXDF

16:31:48 freedrull joined the chat 🐦
16:31:51 calgames ayyyyyyyyy
16:31:54 calgames ty sonia calico
16:31:59 similarobjects WOOHOOOO
16:32:03 similarobjects ty guys!!!
16:32:06 oven soooooo goooooood
16:32:11 Polygiene® joined the chat 🐦
16:32:16 calgames yaaaaaaaaaaaaay
16:32:19 similarobjects woohooo
16:35:29 n3t4 <https://media2.giphy.com/media/33OrjzUFwkwEg/giphy.gif?cid=a95d58442ee3a0fa9b134d0097c18ca3971bc010de506b79&rid=giphy.gif>



新着メッセージにあります。

メッセージをここに入力してください

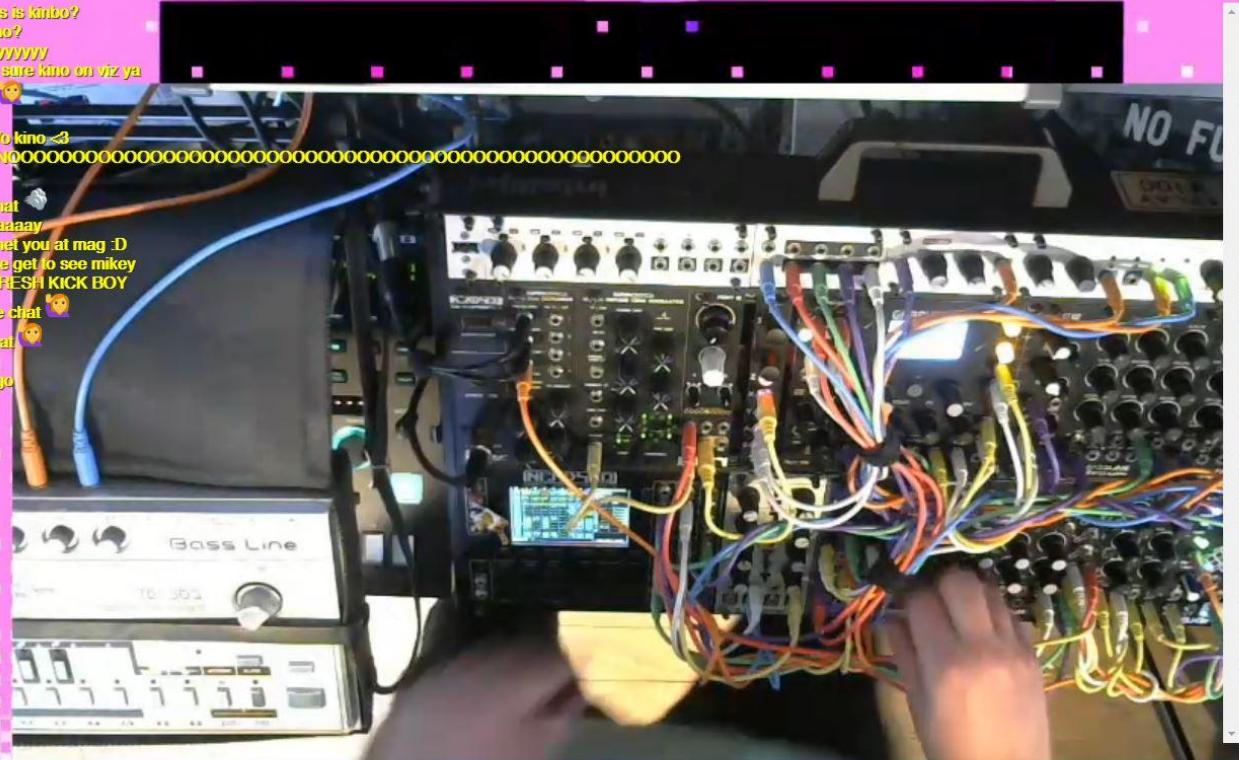
送信 GIF

Images are on



07:02:24 i took a nap earlier this is kinbo?
 07:02:25 i took a nap earlier kinbo?
 07:02:28 jackson from online ayyyyyy
 07:02:37 jackson from online p sure kinbo on viz ya

07:02:47 jonnin joined the chat
 07:02:55 jonnin Ya kinbo on viz!
 07:03:08 jackson from online s/b kinbo <3
 07:03:11 i took a nap earlier KINOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO
 07:03:13 skybox 3 hi
 07:03:18 glitterqueen left the chat
 07:03:22 jackson from online yadaay
 07:03:22 i took a nap earlier I met you at mag :D
 07:03:25 jackson from online we get to see mikey
 07:03:33 jackson from online FRESH KICK BOY
 07:03:34 glitterqueen joined the chat
 07:03:48 freedrill joined the chat
 07:03:51 freedrill wowow
 07:03:59 SARS-CoV-2 ere we go



Akira
 Hojo
 Ifz Seann B :3
 Juliananrg
 Lisa
 SAR3-CoV-2
 Sheliel
 VenoSci
 amalgma_oh
 citytaxes
 hollard
 i took a nap earlier
 jackson from online
 kuskus
 olviacpu
 pea
 skybox
 skyboxphone
 tam.exe
 tchan
 timelord six
 tomudj
 v
 vibecccccheck
 jonnin
 glitterqueen
 freedrill

メッセージをここに入力してください

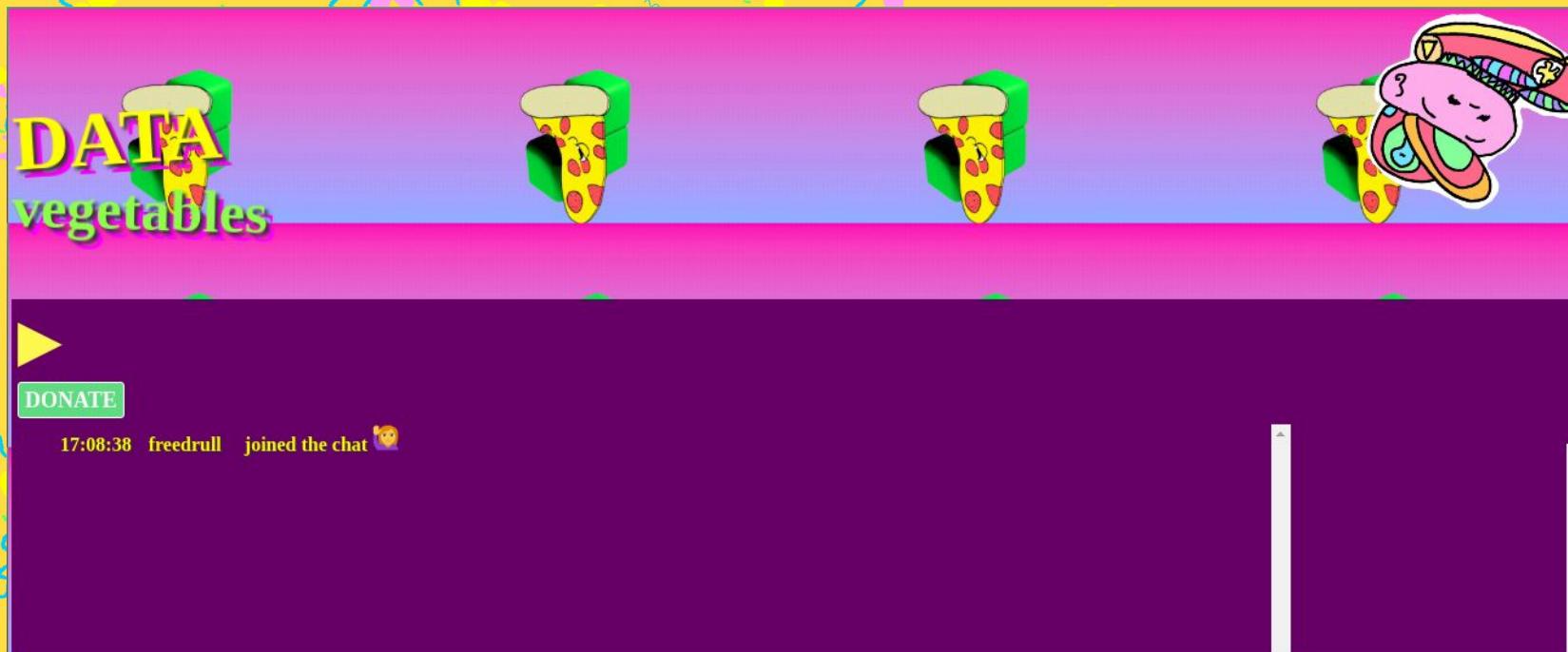
送信 GIF Images are on

DXDF 2020 - OVER 100 HOURS OF MUSIC AND FRIENDSHIP
THAN YOU ALL SO MUCH!!!



datavegetables

A sort of “channel 2”



Some lessons learned over the years

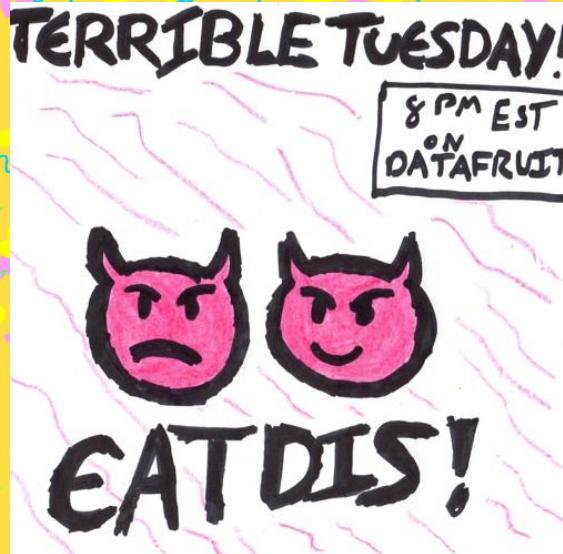
- Only had 1 problem with a problematic person
- Getting a famous person to do a one off set
- Only got our chat moderation system working recently





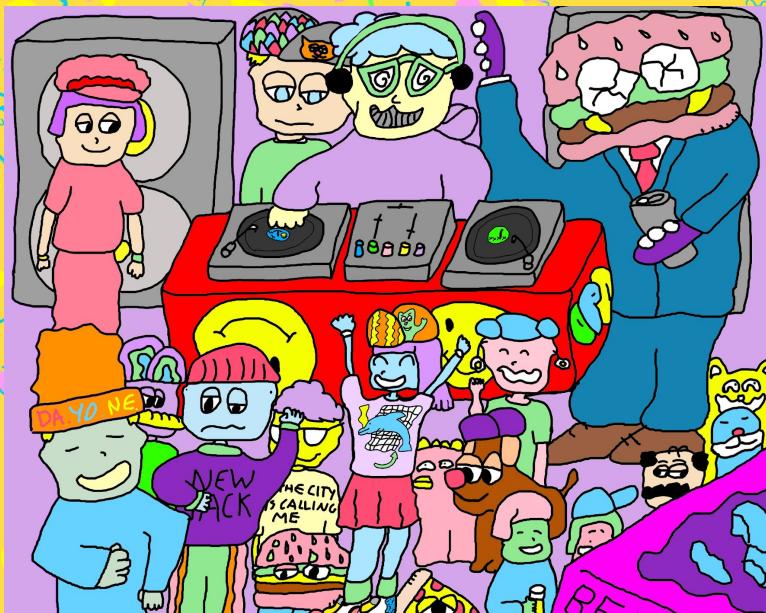
Consistent shows build community

Weekly shows that people can count on every week to tune in build the community



Current Goals

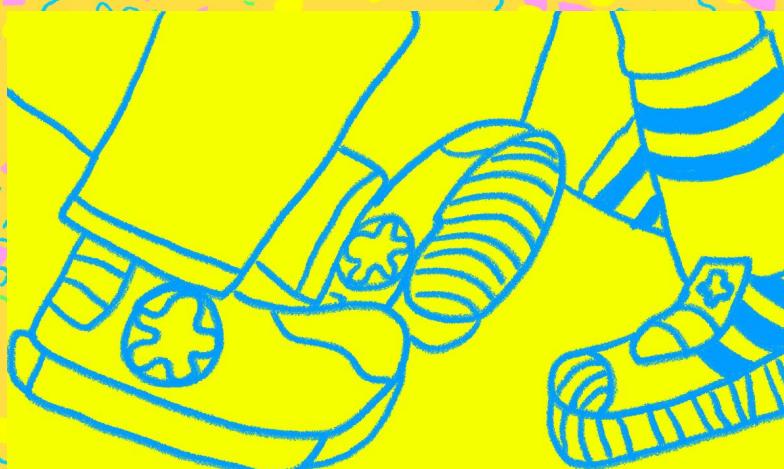
- Support artists and DJs from underserved and marginalized communities
- Build and run the station together democratically as a community in a cooperative fashion





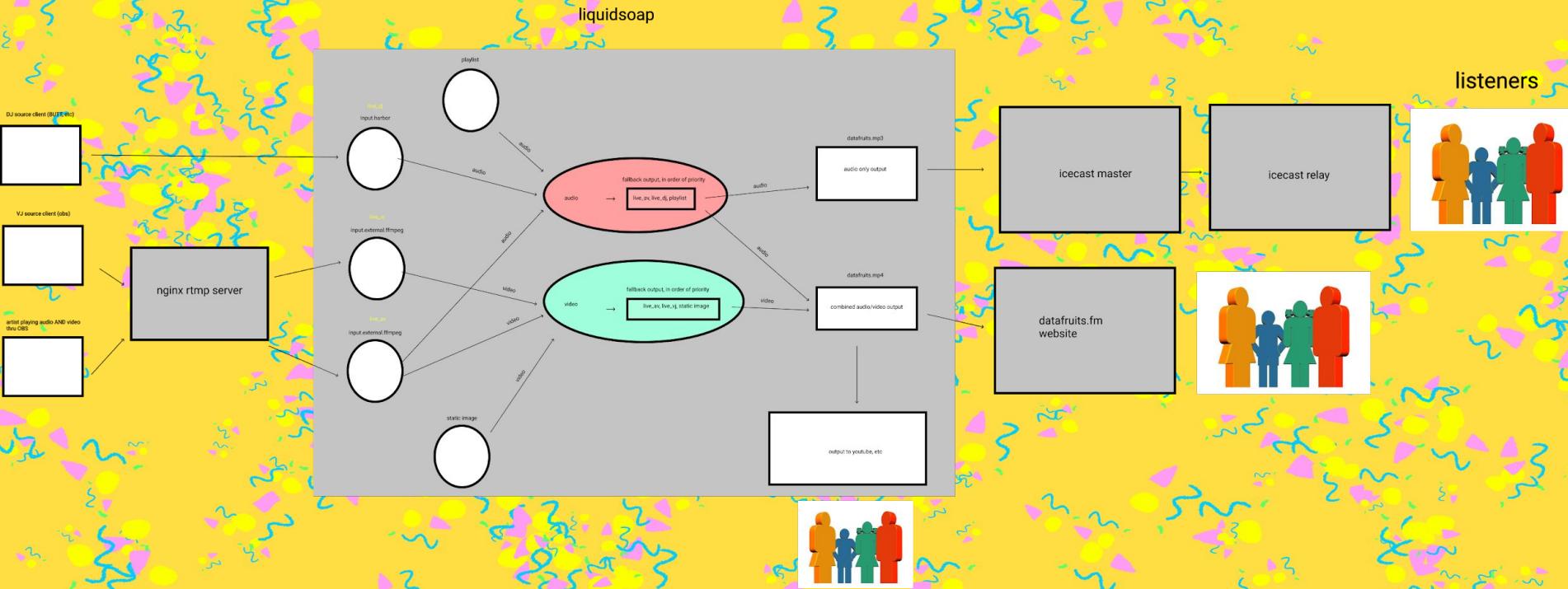
Future plans

- Move from Patreon to my own subscription based system, split revenue with DJs and other supporters
- Implement a cute tipping system for DJs
- Re-do the architecture to fully integrate with video
- Allow DJs to stream audio and video with OBS





New architecture diagram





Check out more projects here!

<https://github.com/datafruits/datafruits/projects>



Search or jump to...



Pull requests

Issues

Marketplace Explore



datafruits / datafruits

Sponsor

Unwatch 7

Star 22

Fork 13

Code

Issues 46

Pull requests 28

Actions

Projects 9

Wiki

Security

Insights

Settings

is:open

New project

9 Open ✓ 2 Closed

Sort ▾

studio phone 2.0

a simple voicemail system that listeners can use

...

Updated on Dec 15, 2020

music inbox for DJs

listeners should be able to submit mp3s for DJs to play on the radio via a simple form.

...

Updated on Dec 15, 2020

mobile notifications / notifications when app is

No description

...

It's just a website

THANKS!