

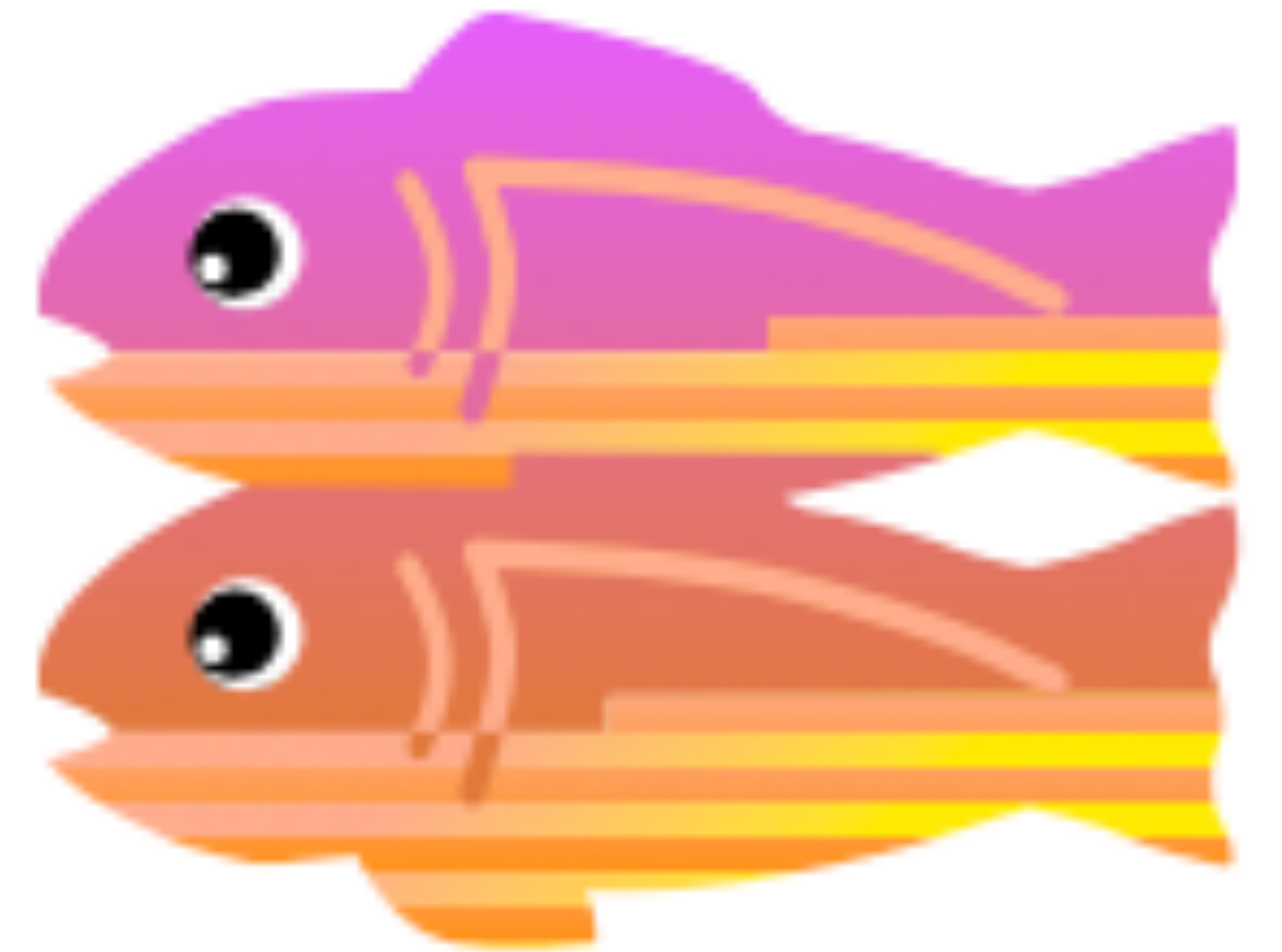
glitch.com

## Introducing Glitch



PLAY VIDEO

What is it, what role it plays,  
why was it built.



# What is Glitch?

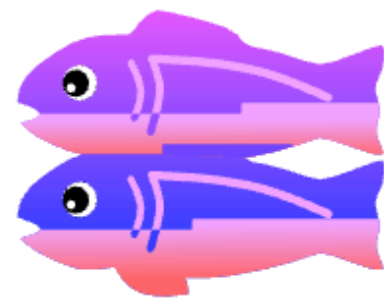
*“Everybody has good ideas of things we want to make on the Internet. But honestly, it’s gotten too hard. Gomix fixes that.”*

*If you’re not a professional developer, the barriers are way too high. There are pretty good tools if you just want to make a marketing website or a blog, but if your idea is an app or a bot or something more interactive, you’re out of luck. It ought to be as easy to make an app as it is to edit a blog post or to change a formula in a spreadsheet.”*



Anil Dash, December 6, 2016

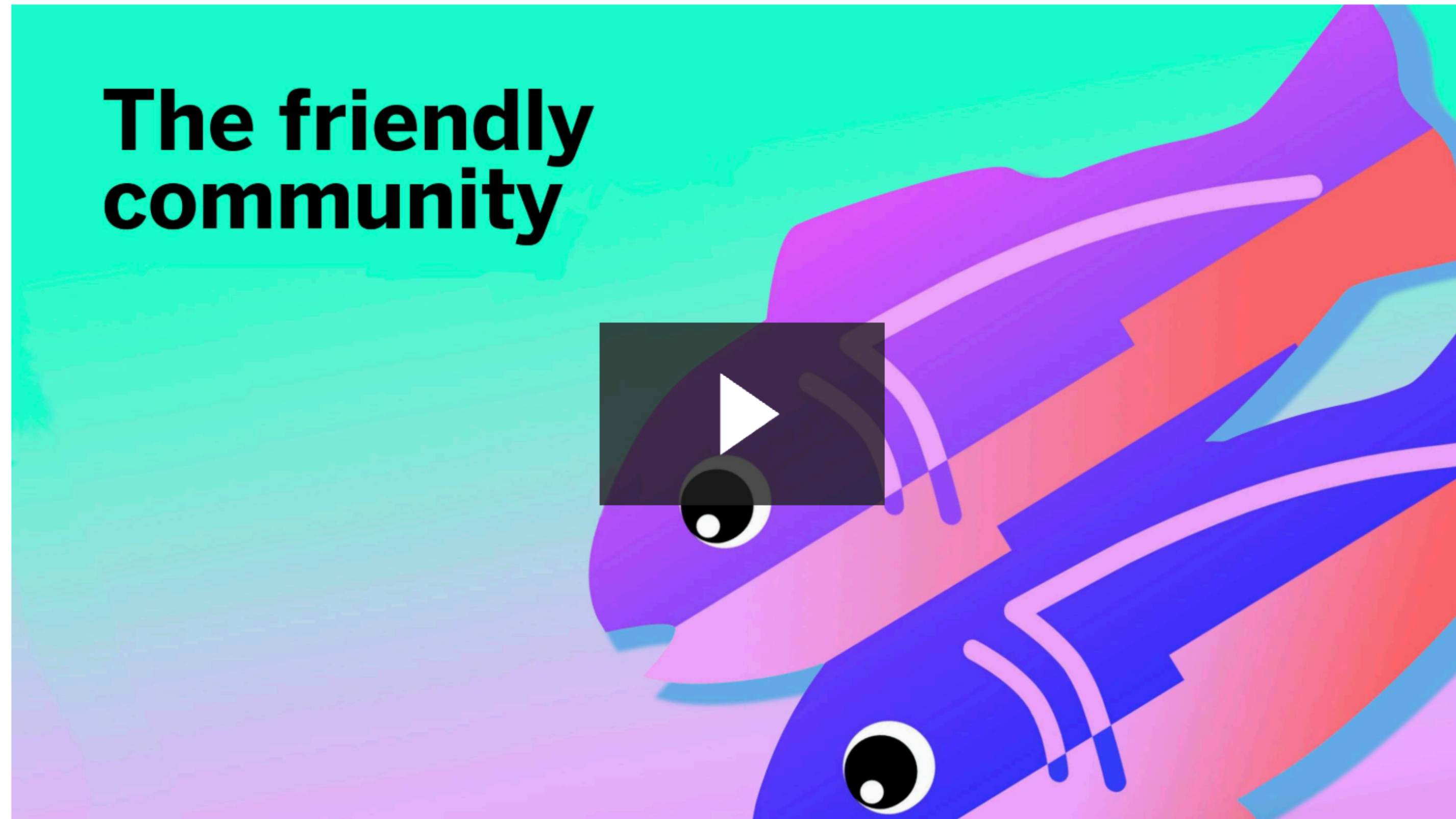
<https://medium.com/gomix/introducing-gomix-aec205c421cb#.fqutfey03>



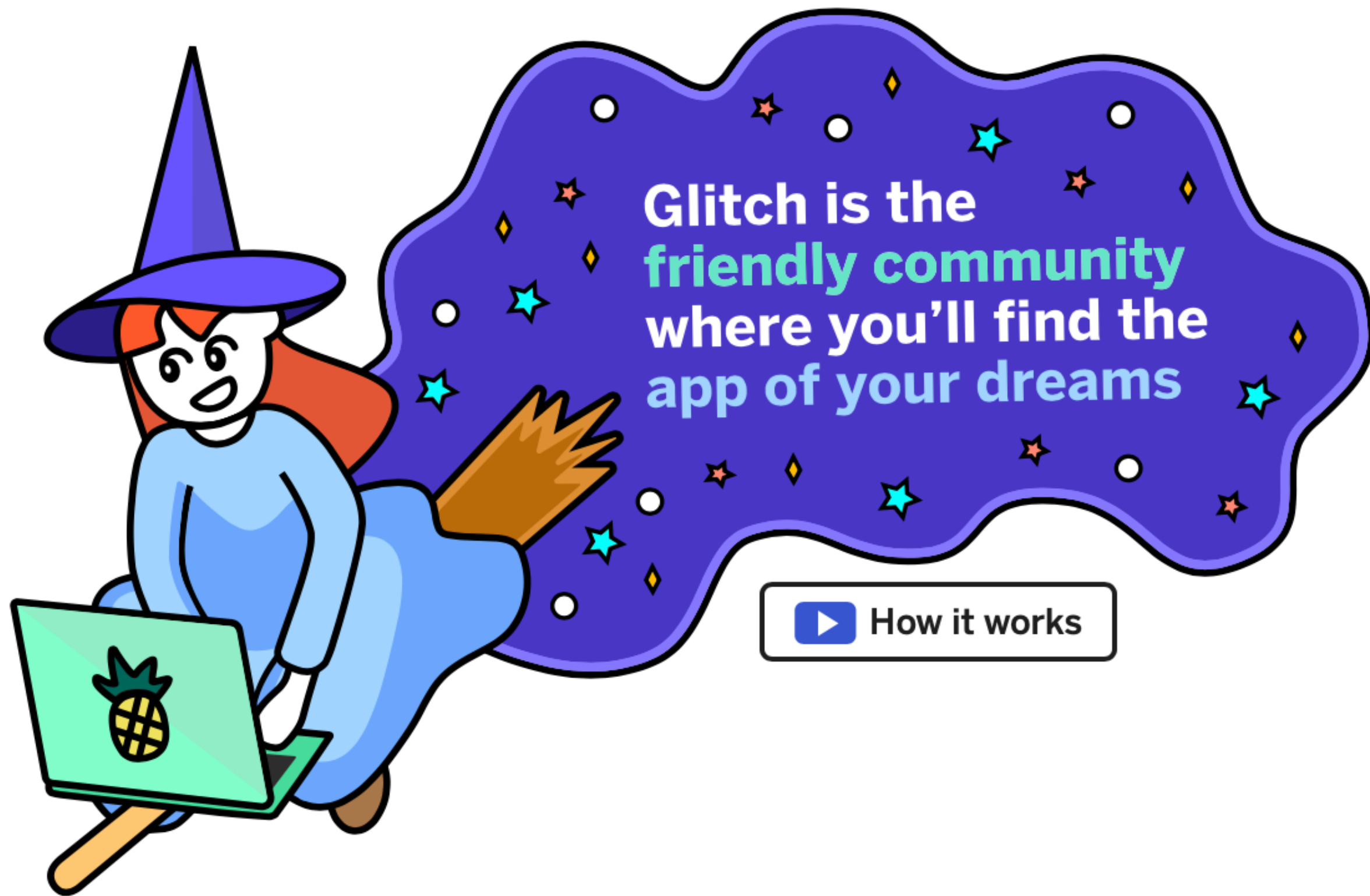
<https://glitch.com/about/>

## About Glitch

[About](#) | [How it works](#) | [Company](#) | [Careers](#) | [Press](#)



Glitch is the friendly community where everyone can discover and create the best stuff on the web.



[▶ How it works](#)

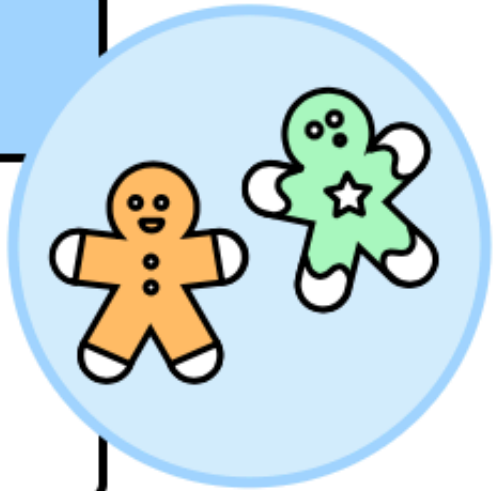
### Explore Apps

Discover over a million free apps built by people like you



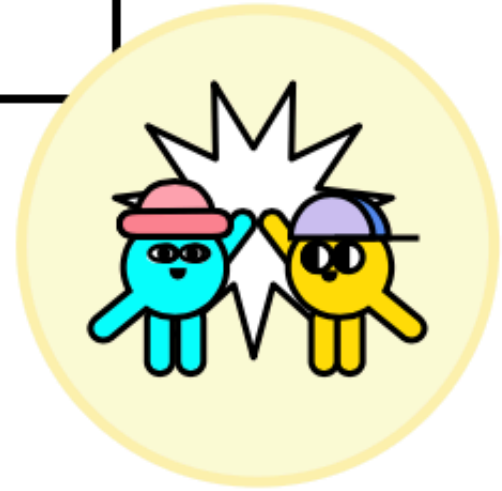
### Remix Anything

Edit any project and have your own app running instantly

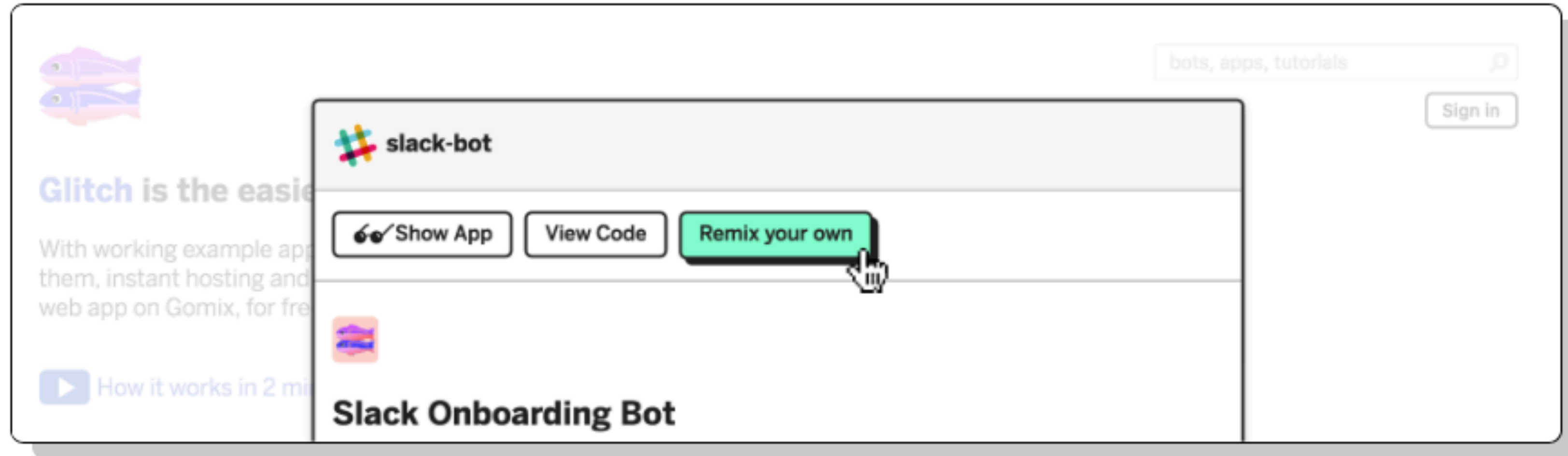


### Build with Your Team

Invite everyone to create together



## Start by remixing



You never have to start from a blank slate. Remix a full, working app to personalize it for your needs, or build on the most popular and powerful developer frameworks to create your app.

## Real collaboration



```
54 -      </li>
55 -      <a class="page-scroll" href="#services">Thingies</a>
56 -    </li>
57 -    <li>
58 -      <a class="page-scroll" href="#portfolio">Wotsits</a>
59 -    </li>
60 -    <li>
61 -      <a class="page-scroll" href="#contact">Contact</a>
62 -    </li>
63 -  </ul>
64 - </div>
65 - <!-- /.navbar-collapse -->
66 </div>
67 <!-- /.container-fluid -->
68 </nav>
69
70 <header>
71   <div class="header-content">
72     <div class="header-content-inner">
73       <h1 id="homeHeading">Amazing Thingies and Wotsits</h1>
74       <hr>
75       <p>We've scoured the world to source you only the best artisanal thingies and wotsits</p>
76       <a href="#about" class="btn btn-primary btn-xl page-scroll">Find Out More</a>
```

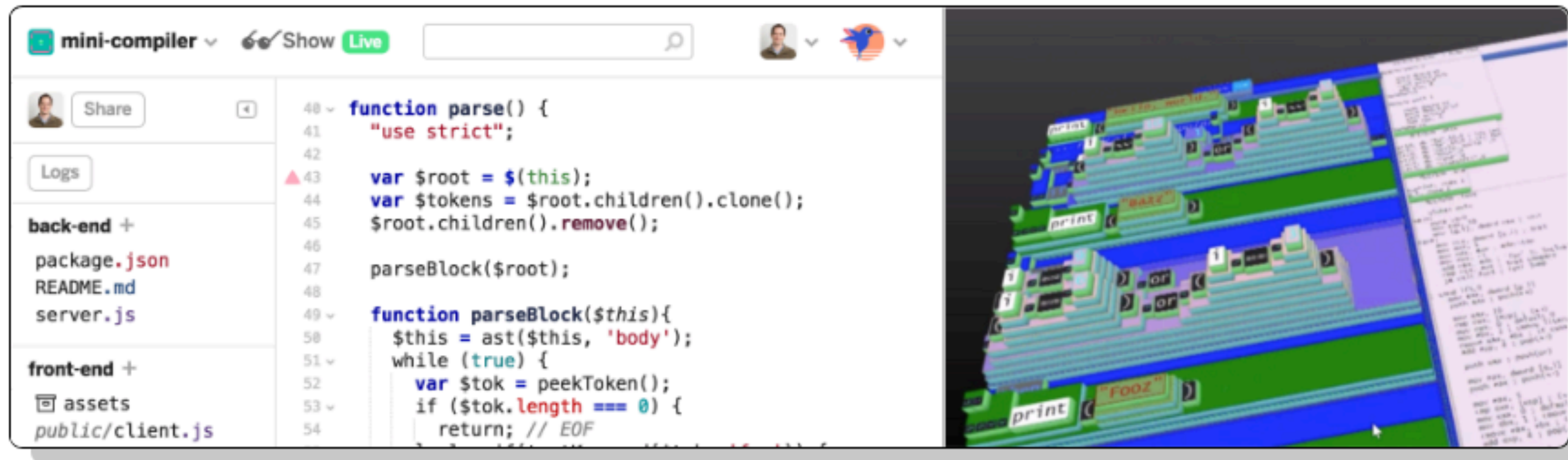
There's no need for complicated version control — the built-in editor lets you, and anybody else you invite, edit code all at once and undo mistakes as they happen. It's a lot like working together in Google Docs.

## Glitch is for *everyone*



Too many coding tools put up big barriers to your creativity by requiring tons of setup, having lots of confusing and complicated features, or by letting jerks run rampant in the community. With Glitch, we're rolling out the red carpet to welcome creators just like you.

## It's fun, but it's not a toy

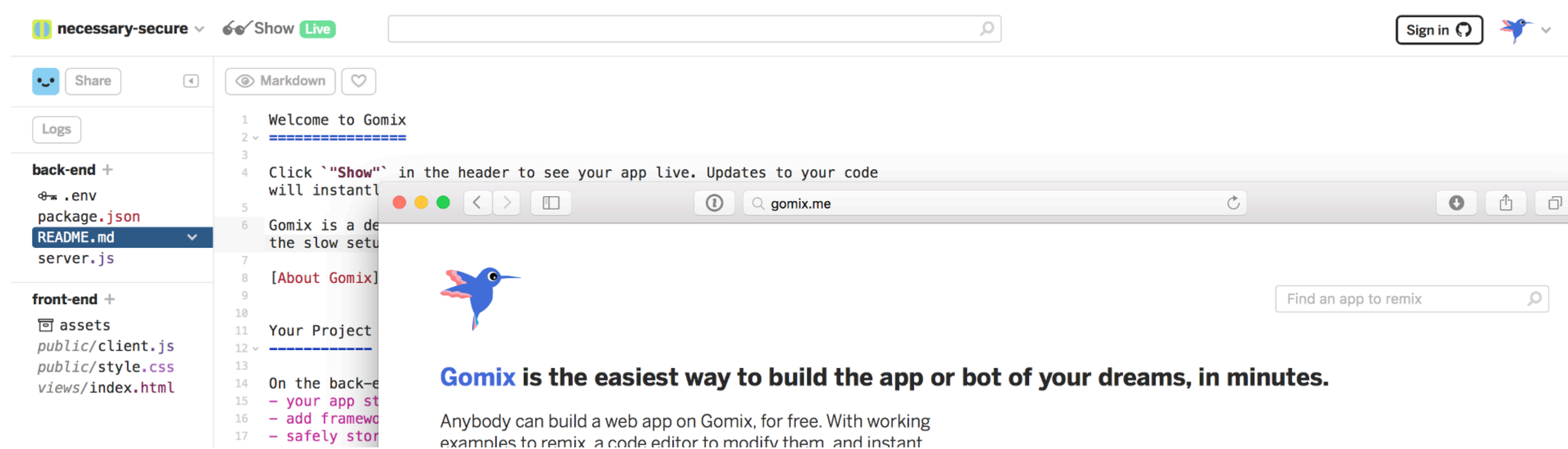


Glitch isn't a "dumbed down" version of a real developer environment — your Glitch app runs on the exact same cloud infrastructure and Node.js engine that the best developers use to run their apps. We've just made it easier for you to get started.

While you work with Glitch, we seamlessly upgrade your servers in the background. There's no deployment or server provisioning - it all happens automatically.

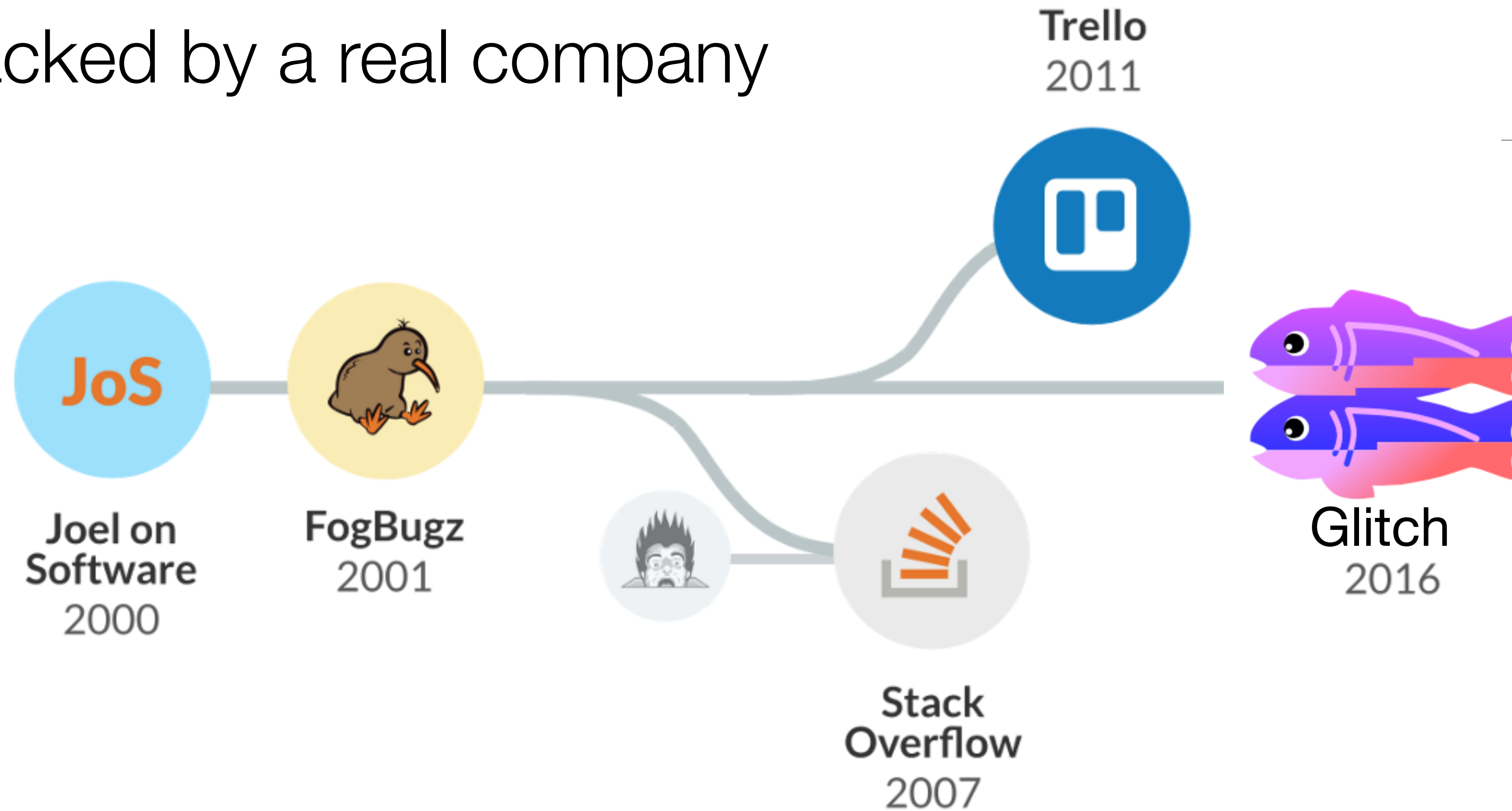


# Glitch handles the mess



- While you work with Glitch, it will seamlessly upgrade your servers and cloud infrastructure in the background.
- There's no deployment or server provisioning because it all happens automatically.

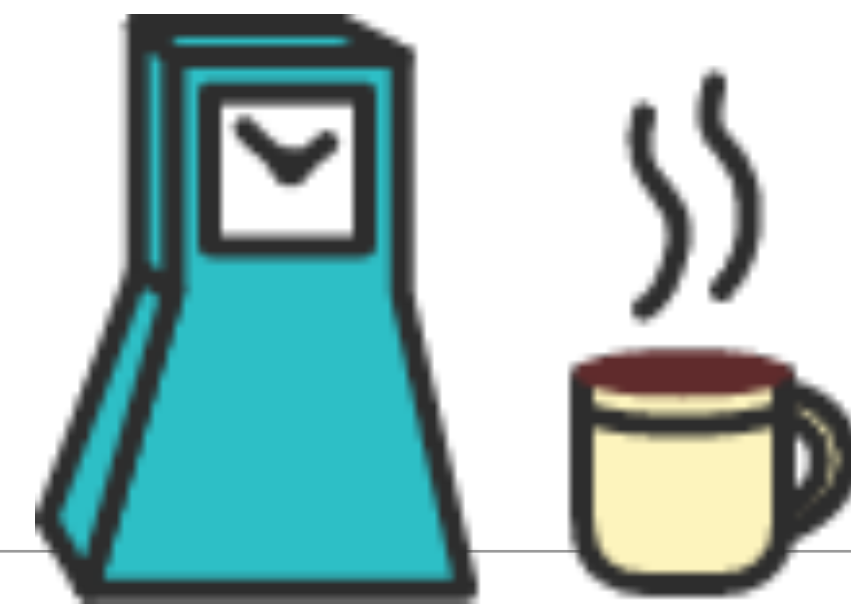
# Backed by a real company



- Glitch is made by Fog Creek, one of the most influential small tech companies in the world.
- They made Trello, FogBugz and co-created Stack Overflow.

## Why did they make it

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In some ways, Glitch is a throwback to an older era of software or the internet, when there were simpler ways to get started making cool stuff.

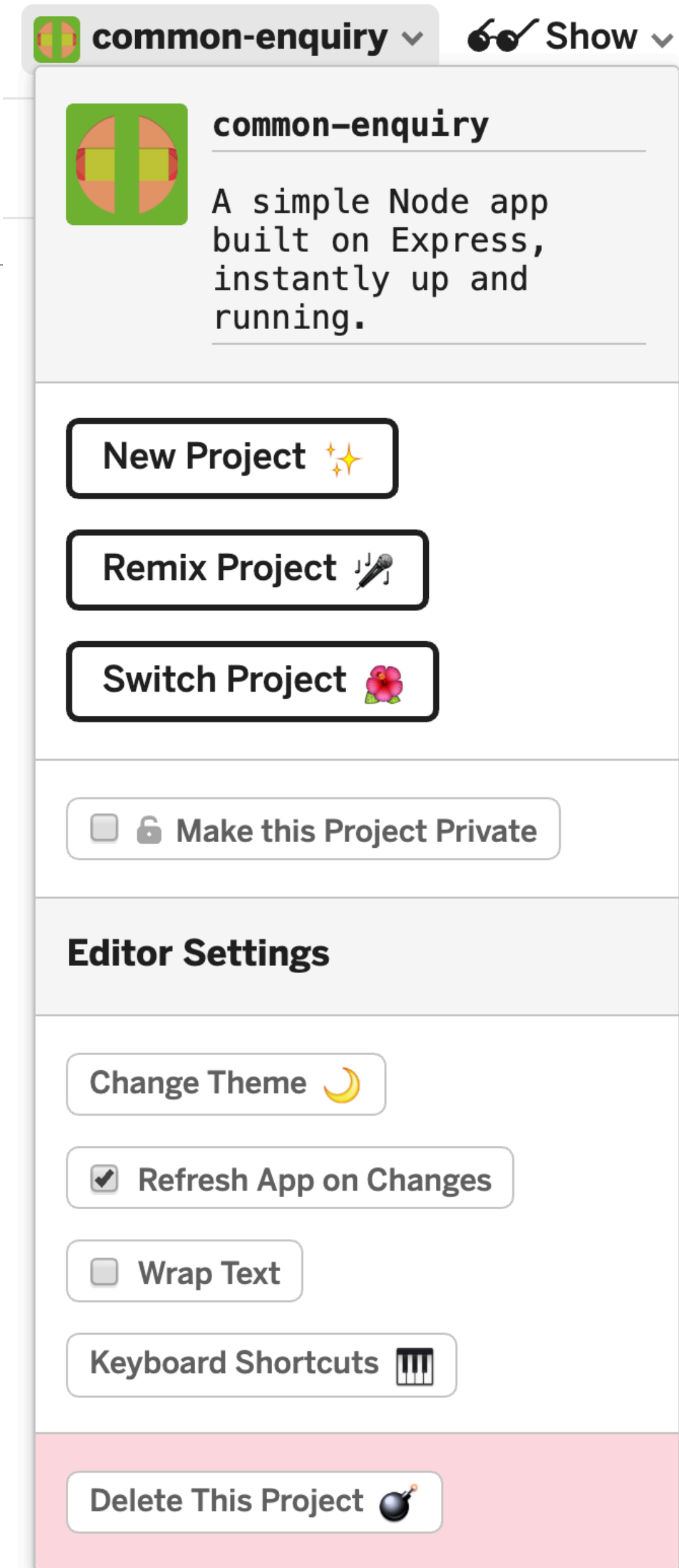
For people who were around at that time, they'll understand Glitch easily: It brings “View Source” back.

The ability to just look at the code behind something, and tweak it, and make your own thing, was essential to making the Internet fun, and weird, and diverse, in its early days.

# Creating New Projects

---

- ‘New Project’ creates a starter app with a single view + simple features
- ‘Remix this’ duplicates the current project- which can be evolved in a different direction
- ‘Switch Project’ sets the current project to be another your projects.




The screenshot shows a settings menu for a project named 'common-enquiry'. At the top, there is a tab labeled 'common-enquiry' and a 'Show' button. Below this, the project name 'common-enquiry' is displayed next to a green and red icon. A description reads: 'A simple Node app built on Express, instantly up and running.' The menu contains several buttons: 'New Project' with a star icon, 'Remix Project' with a fork icon, and 'Switch Project' with a flower icon. There is a toggle switch for 'Make this Project Private'. Under the 'Editor Settings' section, there are buttons for 'Change Theme' with a moon icon, 'Refresh App on Changes' (checked), 'Wrap Text' (unchecked), and 'Keyboard Shortcuts' with a keyboard icon. At the bottom, a red button labeled 'Delete This Project' with a bomb icon is visible.

# Advanced Options

---

- The full source of a project can be:
  - Exported to a GitHub repository
  - Download as an archive to your own workstation.
- Deleted
- Made Private (all projects public by default)


**< Git, Import, Export** 


Every Glitch project is also a Git repo


**Read** **Write**

<https://api.glitch.com/gi> **copy**

Revoke repo access

**Import from GitHub** 

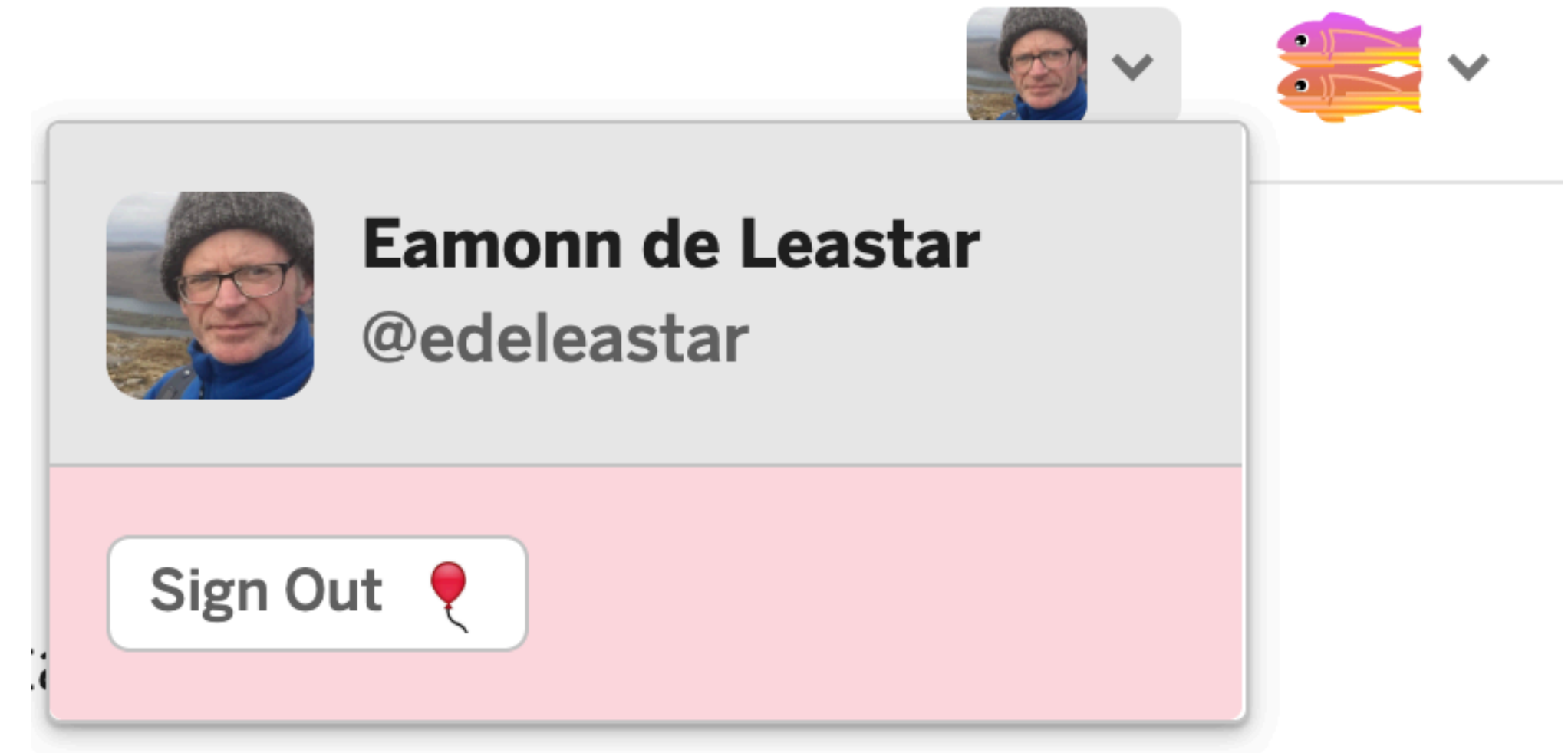
**Export to GitHub** 

**Download Project** 

# Profile

---

- Profile tied to your github account.
- Project updated 'live' as you edit, unless you change this option



# Logs

- Logs allow you to monitor the app.
- App can write to this log - can be a useful source of diagnostic information

The screenshot shows a code editor interface for a file named `server.js`. The editor is divided into two main sections: a file explorer on the left and a code editor on the right. The file explorer shows a directory structure with files like `assets/public/client.js`, `public/style.css`, `views/index.html`, `.env`, `README.md`, `package.json`, and `server.js`. The `server.js` file is selected. The code editor shows the following JavaScript code:

```
1 // server.js
2 // where your node app starts
3
4 // init project
5 const express = require('express');
6 const app = express();
7
8 // we've started you off with Express,
9 // but feel free to use whatever libs or frameworks you'd like through `package.json`.
10
11 // http://expressjs.com/en/starter/static-files.html
12 app.use(express.static('public'));
13
14 // http://expressjs.com/en/starter/basic-routing.html
15 app.get('/', function(request, response) {
16   response.sendFile(__dirname + '/views/index.html');
17 });
18
19 // listen for requests :)
20 const listener = app.listen(process.env.PORT, function() {
21   console.log('Your app is listening on port ' + listener.address().port);
22 });
23
```

At the bottom of the editor, there is a console window with a 'Logs' tab. The console shows a single log entry: `Your app is listening on port 3000`. The time is 4:29 PM.

# Logs

- Syntax errors in back-end javascript reported here.

The screenshot shows a code editor with the following code in `server.js`:

```
1 // server.js
2 // where your node app starts
3
4 // init project
5 const express = require('express');
6 const app = express();
7
8 // we've started you off with Express,
9 // but feel free to use whatever libs or frameworks you'd like through `package.json`.
10
11 // http://expressjs.com/en/starter/static-files.html
12 app.use(express.static('public'));
13
14 // http://expressjs.com/en/starter/basic-routing.html
15 app.get('/', function(request, response) {
16   respons.sendFile(__dirname + '/views/index.html');
17 });
18
19 // listen for requests :)
20 const listener = app.listen(process.env.PORT, function() {
21   console.log('Your app is listening on port ' + listener.address().port);
22 });
23
```

The error message in the console is:

```
SyntaxError: Unexpected identifier
    at createScript (vm.js:80:10)
    at Object.runInThisContext (vm.js:139:10)
    at Module._compile (module.js:617:28)
    at Object.Module._extensions..js (module.js:664:10)
    at Module.load (module.js:566:32)
    at tryModuleLoad (module.js:506:12)
    at Function.Module._load (module.js:498:3)
    at Function.Module.runMain (module.js:694:10)
    at startup (bootstrap_node.js:204:16)
    at bootstrap_node.js:625:3
```



# Glitch Community Projects

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Hello Worlds



Games



Building Blocks



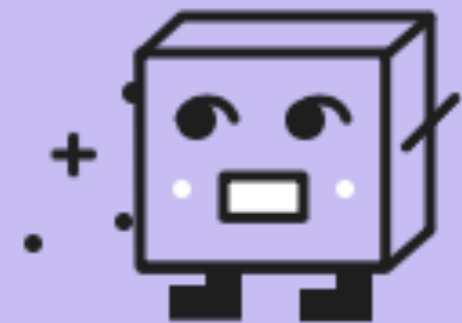
Learn to Code



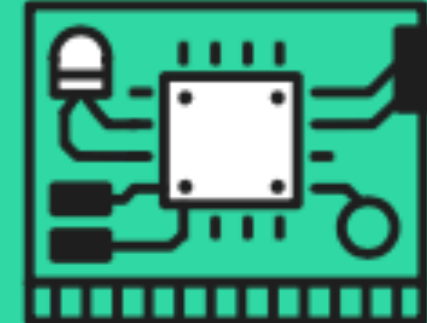
Tools for Work



Community Picks



Handy Bots



Hardware

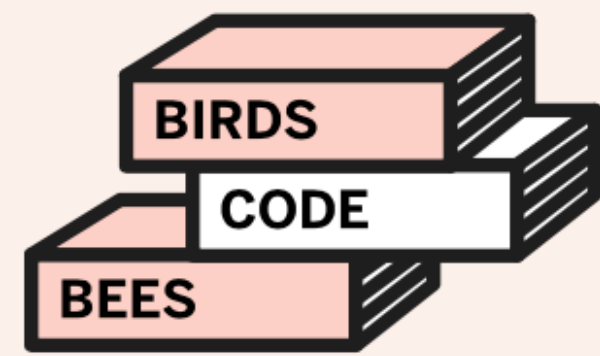


Art



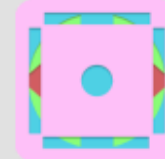
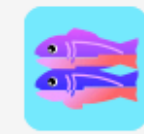
Music

# Learn to Code



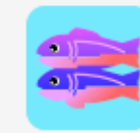
Learn by doing, then breaking, then doing some more. You got this!

## Projects (18)



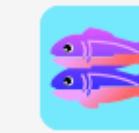
**drum-machine**

A simple drum machine that runs in the browser



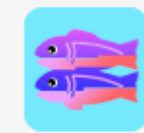
**javascripting**

Learn the basics of JavaScript. NodeSchool Workshopper: Exercise 1



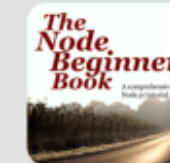
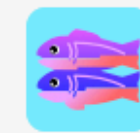
**circles-bouncing-off-lines**

Demo of trig that calculates movement of circles as they bounce off lines



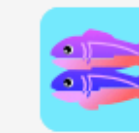
**beginner-javascript**

Beginner JavaScript Sushi



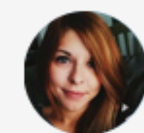
**node-beginner**

The Node Beginner Book: Hello World



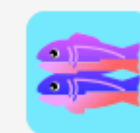
**html-starter**

Simple, modular HTML5 template to kick off your responsive websites



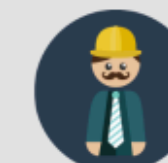
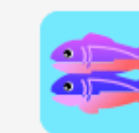
**float-layout**

A demo of the float positioning algorithm in browsers.



**creative-theme**

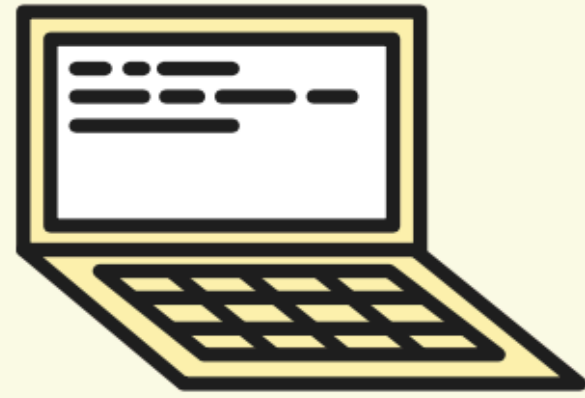
Creative Bootstrap website template



**freelancer-theme**

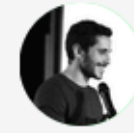
Freelancer Bootstrap website template

# Hello Worlds



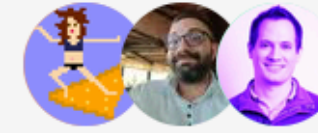
Experiment with technologies and libraries by remixing these sample projects.

## Projects (31)



nuxt-starter

Nuxt.js starter project.



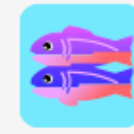
node-console

Run console applications on Glitch



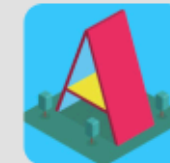
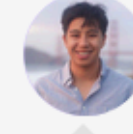
hyperapp

1 KB JavaScript library for building web applications.



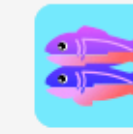
vue-ssr

Vue.js server-side rendering demo



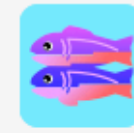
aframe

Base for creating virtual reality experiences on the Web using A-Frame. #aframev...



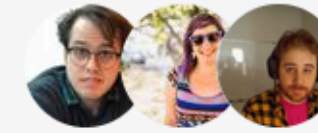
backbone-todomvc

TodoMVC example using Backbone.js



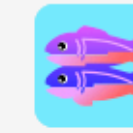
passport-js

User authentication with passport.js



parcel

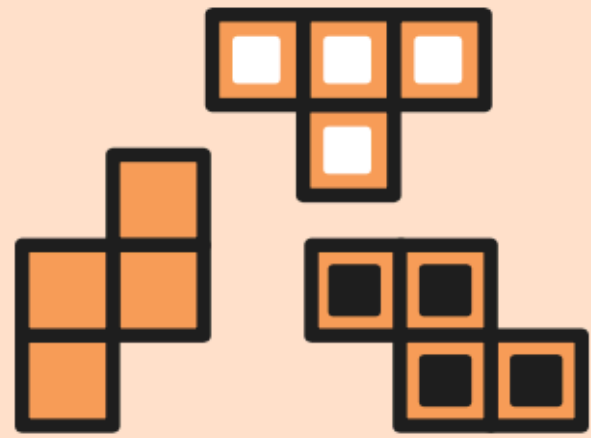
A battery-included React project that uses the Parcel bundler



server-side-d3js

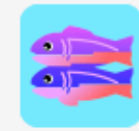
Server-side SVGs with D3.js

# Games



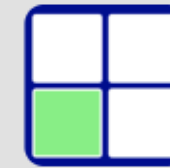
Make your own cool games.  
Get that idea out of your head  
and into the world.

## Projects (32)



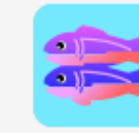
space-invaders

Demo of a game loop, collision detection, input, drawing and playing sounds



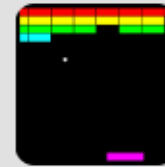
memory-game

Card-matching memory game



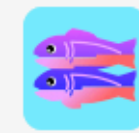
browser-quest

A magical project that does sober things



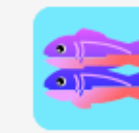
mini-breakout

A breakout clone using Phaser



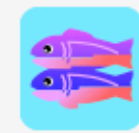
tetrjs

A Tetris clone in JavaScript



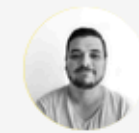
multiplayer-game

Real-time multiplayer game using Node.js, [Socket.io](#) and HTML5



drawing-game

Multi-player drawing game using [Socket.io](#)



nondescript-dog

A sober project that does zealous things



dive-the-game

Text adventure game.

# Tools for Work



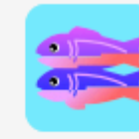
Every business is a snowflake. Build and customize your own tools and integrations.

## Projects (45)



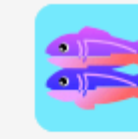
stripe-checkout

Stripe Checkout sample app



data-dashboard

Google Sheets data dashboard



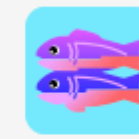
azure-storage

Microsoft Azure Storage database example



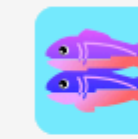
slack-classic-unfurling

This app generates some metadata for Slack's Classic Link Unfurl API



parse-todo

Parse to-do app



pass-azure

An example app implementing Azure OAuth with Passport.js



wistia-webhooks-example

A Wistia project that does support things



parse-dashboard

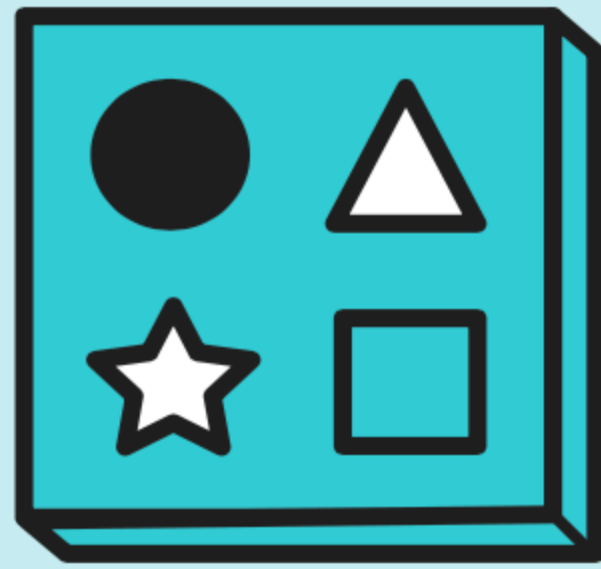
Parse dashboard



excel-spreadsheet

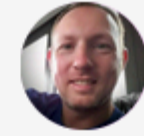
Display data from an Excel spreadsheet

## Building Blocks



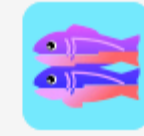
Databases, emailing and more. The bread and butter basics of modern web dev.

## Projects (46)



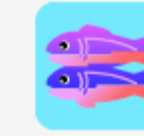
email-auth

Login using email only, by [GlitchApps.org](https://glitch.com/apps).



socketio-chat

A simple chat demo using [socket.io](https://socket.io)



rest-api

API endpoint example app with Express



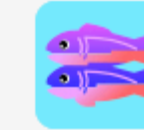
nodemailer

Nodemailer example app



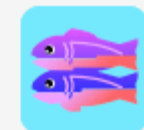
hackathon-starter

A boilerplate for Node.js web applications



auth0

Auth0 NodeJS Seed



square-connect

A node server implementation of the Square Connect API sample app



github-oauth

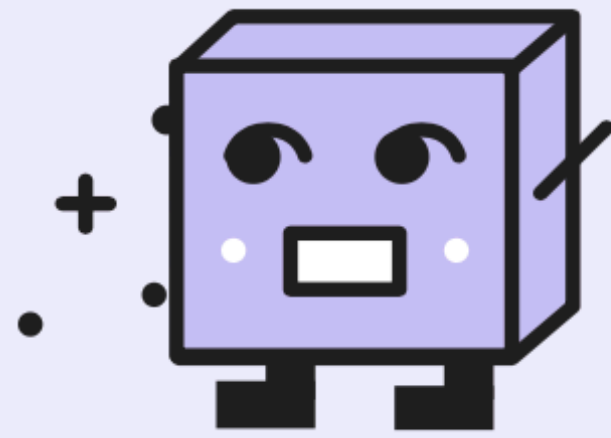
An example app implementing Github OAuth with Passport.js



material-design

Prototype using Google's Material Design.

# Handy Bots



Build helpful tools, meme generators, or Westworld. Your bots have your back.

## Projects (22)



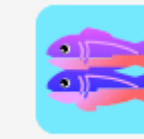
**botkit-facebook-old**

A starting point for building Facebook bots with Botkit



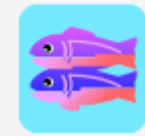
**botkit-cisco-webex-teams-old**

Starter kit for creating a Botkit-powered Cisco Webex Teams bot



**slack-bot-persist**

Slack Onboarding Bot



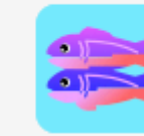
**bot-builder-skype**

An example Skype bot using Microsoft's Bot Builder SDK



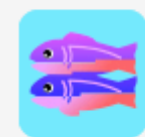
**botkit-slack-old**

Starter kit for creating a Botkit-powered Slack app



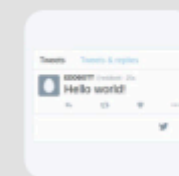
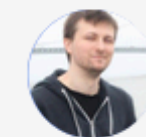
**google-home**

An example Google Home agent app using [API.ai](#)



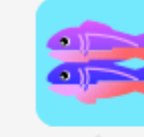
**slack-slash-command**

Slack slash command response handler



**twitterbot**

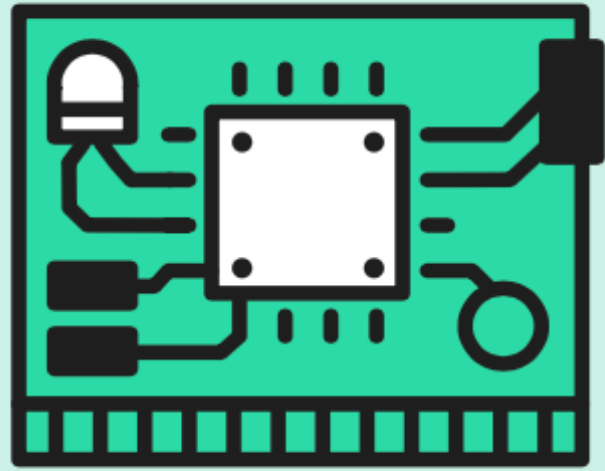
A simple template for making Twitter bots with Glitch and node.js.



**alexa-skill**

A full, working Alexa Skill that gets weather forecast info from [forecast.io](#)

# Hardware



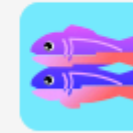
Connect your gadgets and gizmos to the world – or your kitchen.

## Projects (14)



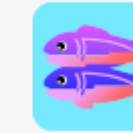
**add-to-alexa**

Alexa Flash Briefing API Skill sample



**temboo**

An example Temboo app using the Google geocoding choreo



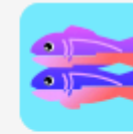
**google-home**

An example Google Home agent app using [API.ai](#)



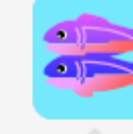
**twilio-sms**

Send SMS messages with Twilio



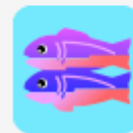
**particle-api**

Control an LED from a simple web page using the Particle API



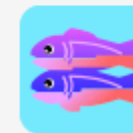
**alexa-skill**

A full, working Alexa Skill that gets weather forecast info from [forecast.io](#)



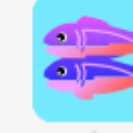
**conditional-ifttt-triggers**

Trigger IFTTT when multiple conditions are met



**multi-ifttt-triggers**

Trigger multiple actions in IFTTT

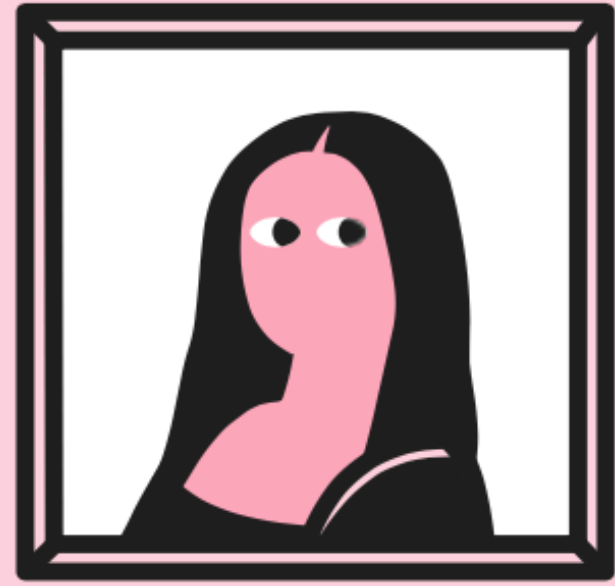


**littlebits-api**

Control your CloudBit device from a simple web page using the littleBits API



# Art



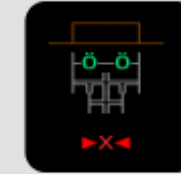
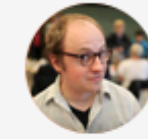
Weird, fun masterpieces from talented artists, and the tools to create your own.

## Projects (56)



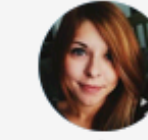
**retro-album-covers**

A generative art sketch by @mattdesl.



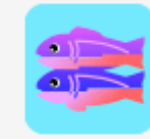
**asc-paint**

Ascii art painting program



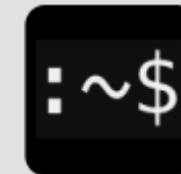
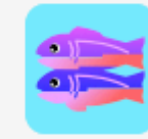
**magic-sketchpad**

Draw things with machine learning! (a magenta.js and SketchRNN magic doodling pa...



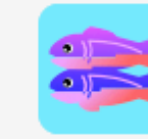
**pixelatize**

Pixelate uploaded images



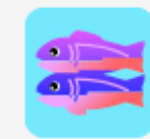
**ascii-art**

Library for ansi codes, figlet fonts, ascii art and other ASCII graphics



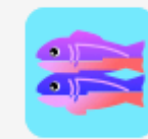
**paper-js**

The Swiss Army Knife of Vector Graphics Scripting



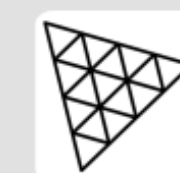
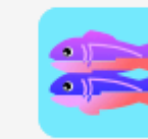
**send-this-to-your-lover**

A very romantic website (but it's not for you, it's for your lover)



**processing-js**

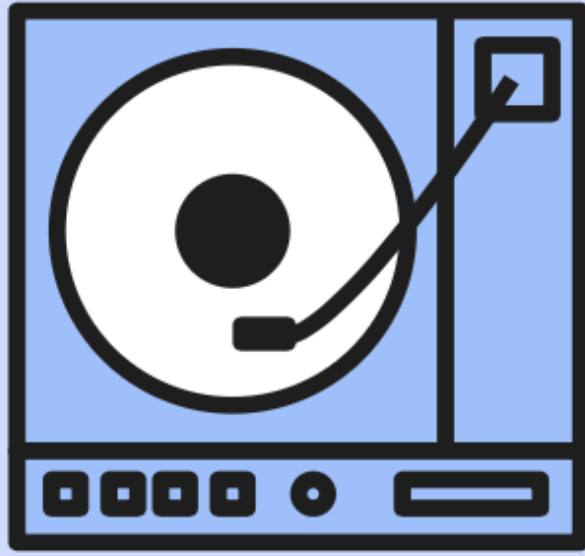
A hypnotic processing.js sketch



**three-js**

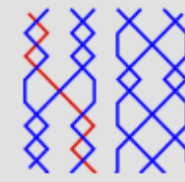
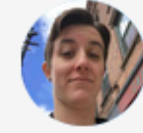
A demo of three.js, an easy to use, lightweight, 3D library

# Music



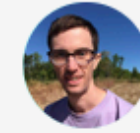
The sounds of music created, connected, visualized and remixed.

## Projects (35)



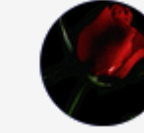
**changeringing**

Print and practice change ringing methods and touches



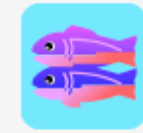
**record-player**

A computer vision enabled record player with Spotify and Google Vision



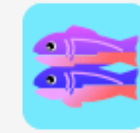
**audiogram**

a browser based version of NY Public Radio's audiogram



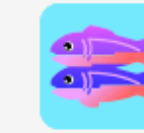
**spotify-oauth**

Easy authentication for Spotify



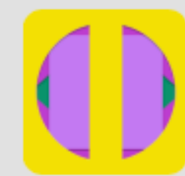
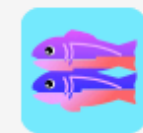
**spotify-audio-features**

Quickly search Spotify and visualise the audio features of any track



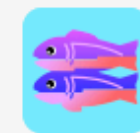
**hypem-daily**

Alexa Flash briefing daily top song from Hype Machine



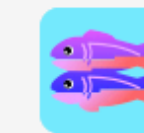
**scribbletune**

Create music with JavaScript & Node.js



**billboard-stats**

Get stats from the billboard music charts



**genius-lyrics**

Search for song lyrics on Genius

# Community Picks



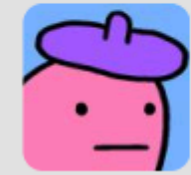
Community submissions that do the flyest things ✨

## Projects (66)



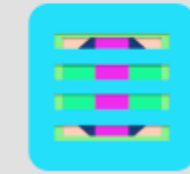
twitter-likes-backup

Backup likes to SQLite



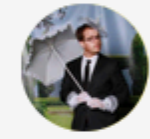
webcomicname-mashup

mashing up webcomicname panels



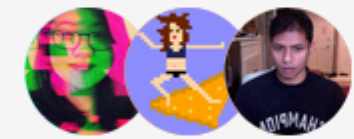
narrow-the-gap

A single-serving web site displays the wage gap between men and women in the Uni...



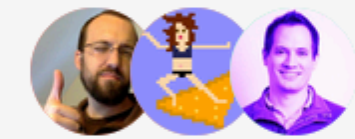
twitter-archive-deleter

Ever wanted to wipe your Twitter timeline and start over? This app helps you do ...



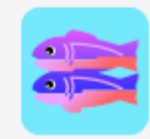
coffee-talks

Heartfelt dev talks for humans



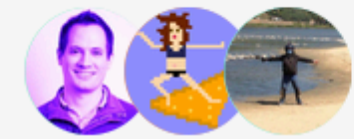
trello-shopping-list

A trello-powered recipe builder



pixelatize

Pixelate uploaded images



font-awesome-export

Font Awesome export tool



tech-forward-2

Tech Forward