



Hacktober FEST

2019

presented by



DigitalOcean

and



Welcome

Hacktoberfest

What is Hacktoberfest? How to participate?

Open-source

What is open source? How can you get involved?

Guest talk

Kenneth Geissshirt - Senior Engineer at MongoDB

Open mic

Share your open source projects

Networking

Share your experiences

9

Offices

7

Countries

120

Employees



27

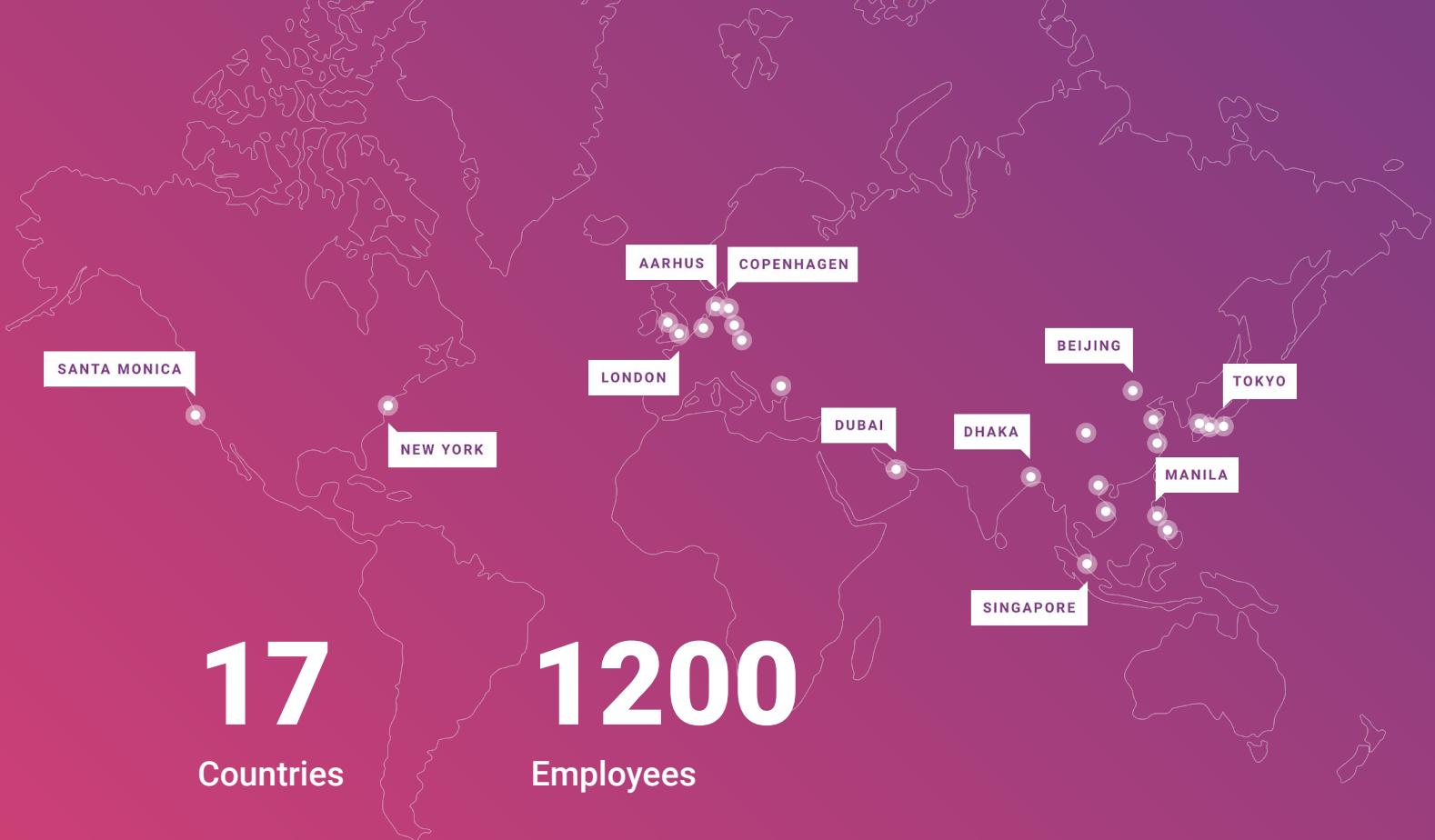
Offices

17

Countries

1200

Employees





Hacktoberfest

Is a month long global event about encouraging meaningful contributions to the open source ecosystem, for beginners and veterans alike.

```
index.html
  <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js">
<!endif>
</head>
<body>
<div class="preloader"></div>
<!-- end preloader -->
<header class="header">
  <div class="left-side" data-stellar-background-ratio="0.8"></div>
  <!-- end left-side -->
  <div class="right-side" data-stellar-background-ratio="0.5">
    <div class="ver-middle">
      <div class="inner">
        <h1>Views<br>
          <b>Discover spots by locals</b></h1>
        <a href="https://itunes.apple.com/us/app/views-discover-spots-by-locals/id1100747270?mt=8">APPS</a>
      </div>
    </div>
  </div>
</header>
```

Hacktoberfest

You can help drive growth of open source and make positive contributions to an ever-growing community.

All backgrounds and skill levels are encouraged to complete the challenge.



How to participate?

1. Sign up to participate at
hacktoberfest.digitalocean.com
2. Make 4 pull requests (PRs) between October 1-31 in
any GitHub-hosted repositories/projects

PRs can be made to any public repo on GitHub, not only the ones with issues labeled Hacktoberfest. You can login with your Github account at hacktoberfest.digitalocean.com to check your progress and stats.

This year, the first 50,000 participants who successfully complete the challenge will earn a limited edition T-shirt.

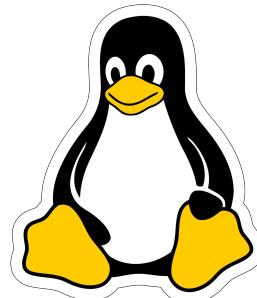
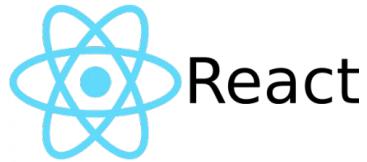
Make sure to checkout the website for more resources and guides.

Please remember to read the [code of conduct](#).



Open Source

Open-source software is software that is freely available to use, redistribute, and modify.



i-voting



Contributing to Open-source projects

Open-source projects that are hosted in public repositories benefit from contributions made by the broader developer community, and are typically managed through Git.

The best way to begin to contribute to open-source projects is to start by contributing to software that you already use.

If you're just starting out with contributing to open-source software, it is a good idea to start with something small – each contribution is valuable. You may want to start with fixing typos, adding comments, or writing clearer documentation.

Getting started with Git

try.github.io

Resources to learn Git

Learn by reading

Git Handbook

Git, GitHub, DVCS, oh my! Learn all the lingo and the basics of Git.

Cheat Sheets

Keep these handy! Reference sheets covering Git commands, features, SVN migrations, and bash. Available in a multiple languages.

Learn by doing

Learn Git branching

Try Git commands right from your web browser. Featuring some of your soon-to-be favorites: branch, add, commit, merge, revert, cherry-pick, rebase!

Visualizing Git

Look under the hood! Explore how Git commands affect the structure of a repository within your web browser with a free explore mode, and some constructed scenarios.

Git-It

You've downloaded Git, now what? Download Git-It to your machine and you'll get a hands-on tutorial that teaches you to use Git right from your local environment, using commands on real repositories.

Looking for GitHub Training?

GitHub Learning Lab

Get the skills you need without leaving GitHub. GitHub Learning Lab takes you through a series of fun and practical projects, sharing helpful feedback along the way.

Professional training

Whether you're just getting started or you use GitHub every day, the GitHub Professional Services Team can provide you with the skills your organization needs to work smarter.

Where to find open-source projects to work on?

Github



You can use the **Explore** section to browse collections and trending repositories

Search for repositories using **Topics** like **React**, **Javascript** or **Android**

Search for repositories using **Labels** like **good first issue** or **hacktoberfest**

Explore Topics Trending Collections Events

Here's what we found based on your interests...

Based on your public repository contributions

isavynskyi / LayoutInspector ★ Star 392

Code Issues Pull requests

Tool to debug layouts directly on iOS devices: inspect layers in 3D and debug each visible view attributes

Updated 10 hours ago 141 commits Swift

Trending

See what the GitHub community is most excited about today.

vuejs / vue-next ★ Star 573 stars today

TypeScript ★ 3,826 ▾ 621 Built by 🐻 🐻 🐻 🐻

bloc97 / Anime4K ★ Star 407 stars today

Java ★ 5,527 ▾ 405 Built by 🐻 🐻 🐻 🐻

facebookincubator / ent ★ Star 128 stars today

Go ★ 1,068 ▾ 48 Built by 🐻 🐻 🐻 🐻

Where to find open-source projects to work on?

[Hacktoberfest website](#)

Hacktoberfest projects

You can contribute to any project on GitHub. Here are a few looking for some help:

Displaying all Hacktoberfest projects

Select language ▾

aleth C++ Aleth - Ethereum C++ client, tools and libraries •#4613 Improve ethvm interface	dolibarr PHP Dolibarr ERP CRM is a modern software package to manage your company or foundation activity (contacts, suppliers, invoices, orders, stocks, agenda, ...).It's opensource software... •#11125 [Feature Request] Move checkbox column as first column	duplicati C# Store securely encrypted backups in the cloud! •#2810 Store temporary files in memory
gensim Python Topic Modelling for Humans •#2506 LsiTransformer is giving a ValueError	sendgrid-php PHP The Official Twilio SendGrid Led, Community Driven PHP API Library •#771 Add our Developer Experience Engineer career opportunity to the README	wagtail Python A Django content management system focused on flexibility and user experience •#5284 Document adding file field to the FormBuilder by linking to tutorial
dev.to Ruby Where programmers share ideas and help each other grow •#1185 StackBlitz Liquid Tag Embed improperly sizing on mobile	github-changelog-generator Ruby Automatically generate change log from your tags, issues, labels and pull requests on GitHub. •#310 Add support for custom sections	jaeger-client-java Java Jaeger Bindings for Java OpenTracing API •#516 Minimize third-party dependencies

Browse more on GitHub

Nodes iOS Open Source Projects

Rye - A framework for displaying non intrusive alerts to your users of both "Toast" and "SnackBar" type

Drawer - A framework that enables you to easily embed a UIViewController in a drawer and display it on top of another UIViewController

KeyboardHelper - No more checking for keyboard notifications and parsing keyboard appearance info manually!

Spinner - Makes using UIActivityIndicatorView even easier.

NStack - NStackSDK is the companion software development kit to the NStack backend.

Serpent - A protocol to serialize Swift structs and classes for encoding and decoding.

Nodes Android Open Source Projects

Nstack - NStackSDK is the companion software development kit to the NStack backend

Template - Kotlin-template clean architecture

Filepicker - File picker / acquire photo library for Android

Locksmith - Nodes Encryption library using the Android KeyStore

Form-Validator - Library to handle validation of input fields

Nodes Vapor Open Source Projects

[Admin Panel](#) - Build easy customizable admin features for your app

[JWTKeyChain](#) - Easily scaffold a keychain using JWT for Vapor

[Paginator](#) - Offset pagination for Vapor

[Reset](#) - Makes resetting a password a breeze

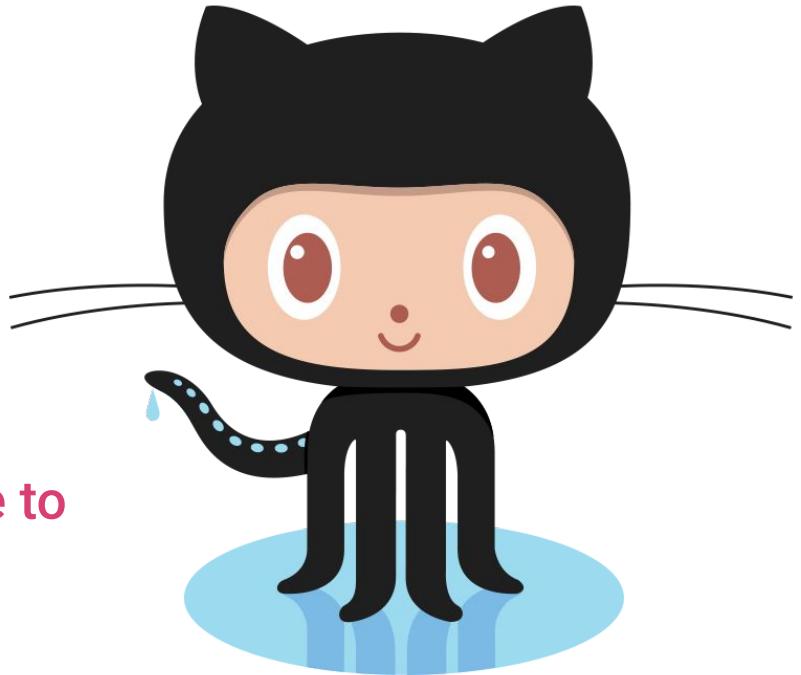
[Bugsnag](#) - Report errors with Bugsnag



How to create a PR on Github

Before you get started

1. Get a GitHub account (github.com)
2. Make sure to have git installed
3. Find a project you want to contribute to



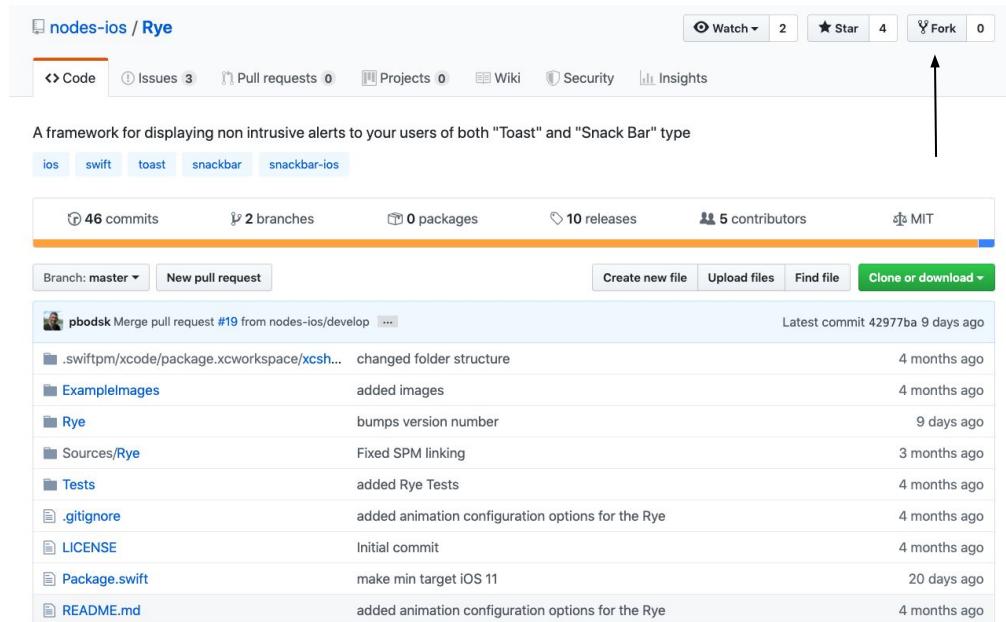
Create a copy of the repository

Fork the open-source repository you want to contribute to by navigating with your browser to the Github URL.

When you click on the button, the forking process will start.

Once that is done you will be redirected to your own copy of the project.

 **roxanajula / Rye**
forked from [nodes-ios/Rye](#)



A screenshot of a GitHub repository page for "nodes-ios / Rye". The page includes navigation tabs for Code, Issues (3), Pull requests (0), Projects (0), Wiki, Security, and Insights. It displays repository statistics: 46 commits, 2 branches, 0 packages, 10 releases, 5 contributors, and a MIT license. A prominent green "Clone or download" button is highlighted with a large black arrow pointing upwards. Below the button, a list of recent commits is shown, all made by user "pbodsk" and dated 9 days ago. The commits include merging pull requests, changing folder structures, adding images, bumping version numbers, fixing SPM linking, adding Rye Tests, and making initial commits.

Commit Details	Date
Merge pull request #19 from nodes-ios/develop ...	9 days ago
changed folder structure	4 months ago
added images	4 months ago
bumps version number	9 days ago
Fixed SPM linking	3 months ago
added Rye Tests	4 months ago
added animation configuration options for the Rye	4 months ago
Initial commit	4 months ago
make min target iOS 11	20 days ago
added animation configuration options for the Rye	4 months ago

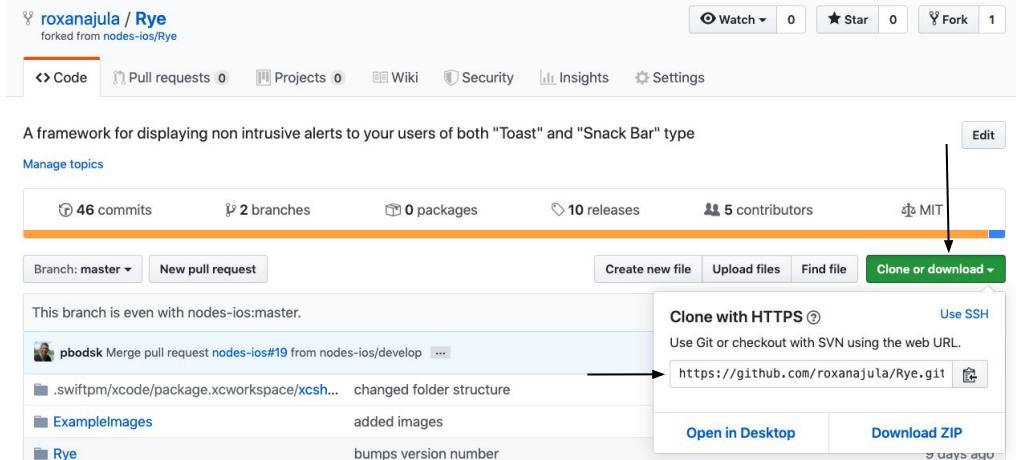
Clone the forked project to your local machine

1. Click on the **Clone or download** button from your repository page that you just forked
2. Copy the Repository URL
3. Open your terminal and do **git clone <Repository URL>**

For example:

git clone <https://github.com/roxanajula/Rye.git>

4. Now you should have a local copy of the code that you can start working on



Create a new branch

You will add your changes on a new **branch**.

You will usually create it out of the main development branch of the project (usually called **develop**, but sometimes it can also be **master**).

To create a new branch:

1. In the terminal, navigate to the location of the local repository **cd repository**
2. Create a new branch **git branch new-branch**
3. Change your active branch to the newly created one **git checkout new-branch**

Tip: You can combine step 2 and 3 into a single one by doing **git checkout -b new-branch**

```
→ Rye git:(master) git branch feature/hacktoberfest-demo
→ Rye git:(master) git checkout feature/hacktoberfest-demo
Switched to branch 'feature/hacktoberfest-demo'
→ Rye git:(feature/hacktoberfest-demo)
```

Make changes locally

1. Once you modified existing files or added new ones you can add them to your local repository with **git add -A** (the -A flag is for adding all)
2. Next, we have to record the changes using **git commit -m "Fixed a bug"**
3. You can use **git status** to verify what will be committed
4. When you have all changes ready you can push your branch like so **git push --set-upstream origin new-branch**
5. You should see a progress of your code being pushed

```
➔ Rye git:(feature/hacktoberfest-demo) ✘ git add -A
➔ Rye git:(feature/hacktoberfest-demo) ✘ git commit -m "Update in README file"
[feature/hacktoberfest-demo 1bc60f9] Update in README file
 1 file changed, 11 insertions(+), 11 deletions(-)
➔ Rye git:(feature/hacktoberfest-demo) git push --set-upstream origin feature/hacktoberfest-demo
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 361 bytes | 180.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
remote:
remote: Create a pull request for 'feature/hacktoberfest-demo' on GitHub by visiting:
remote:     https://github.com/roxanajula/Rye/pull/new/feature/hacktoberfest-demo
remote:
To github.com:roxanajula/Rye.git
 * [new branch]      feature/hacktoberfest-demo -> feature/hacktoberfest-demo
Branch 'feature/hacktoberfest-demo' set up to track remote branch 'feature/hacktoberfest-demo' from 'origin'.
```

Create a pull request

Now that you have pushed your changes you can create a pull request from the Github page:



Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

The screenshot shows the 'Create a pull request' interface. At the top, it says 'base repository: nodes-ios/Rye', 'base: master', 'head repository: roxanajula/Rye', and 'compare: feature/hacktoberfest-demo'. A green checkmark indicates 'Able to merge'. The main area has a text input 'Update in README file' with 'Write' and 'Preview' tabs. Below it is a comment section with a placeholder 'Leave a comment'. To the right, there are sections for 'Reviewers', 'Suggestions', and a specific user 'kjoneandrei' with a 'Request' button. Further down are sections for 'Assignees' (no one assigned), 'Labels' (none yet), 'Projects' (none yet), and 'Milestone' (no milestone). At the bottom, there's a summary: '1 commit', '1 file changed', '0 commit comments', and '1 contributor'. A large green 'Create pull request' button is at the bottom right, with a black arrow pointing towards it from the text above.

At this point, the maintainers of the original repository will decide whether or not to accept your pull request. They may ask for you to edit or revise your code prior to accepting the pull request.

Resources

<https://hacktoberfest.digitalocean.com/>

<https://www.digitalocean.com/community/tutorials/how-to-create-a-pull-request-on-github>

<https://help.github.com/en/articles/creating-a-pull-request>

<https://help.github.com/en/articles/finding-open-source-projects-on-github>

<https://hacktoberfest.digitalocean.com/eventkit/#resources>

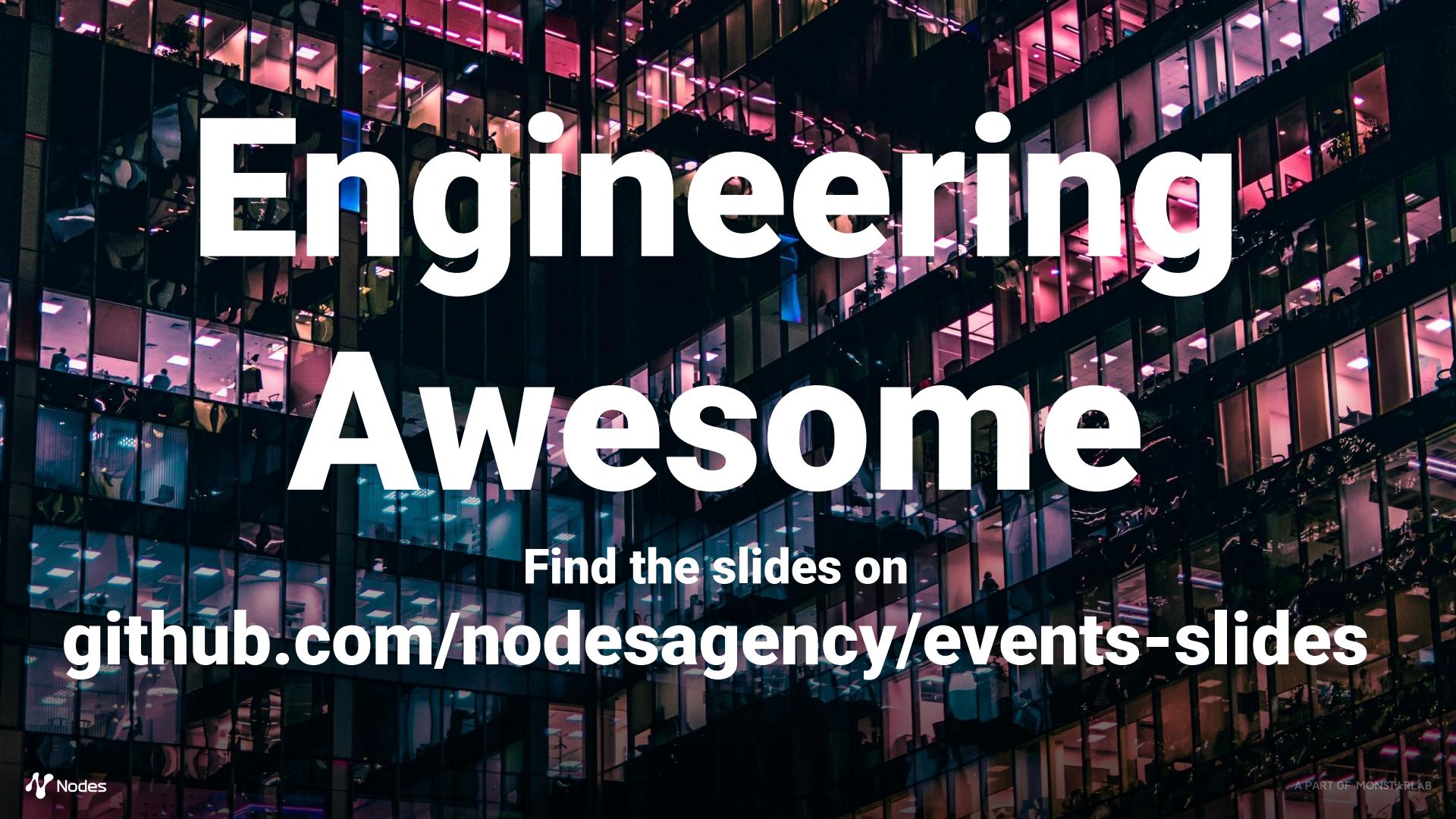
<https://hacktoberfest.digitalocean.com/#projects>

<https://www.technotification.com/2019/03/top-open-source-projects-github.html>



Happy coding!
#hacktoberfest

Engineering Awesome



Find the slides on

github.com/nodesagency/events-slides