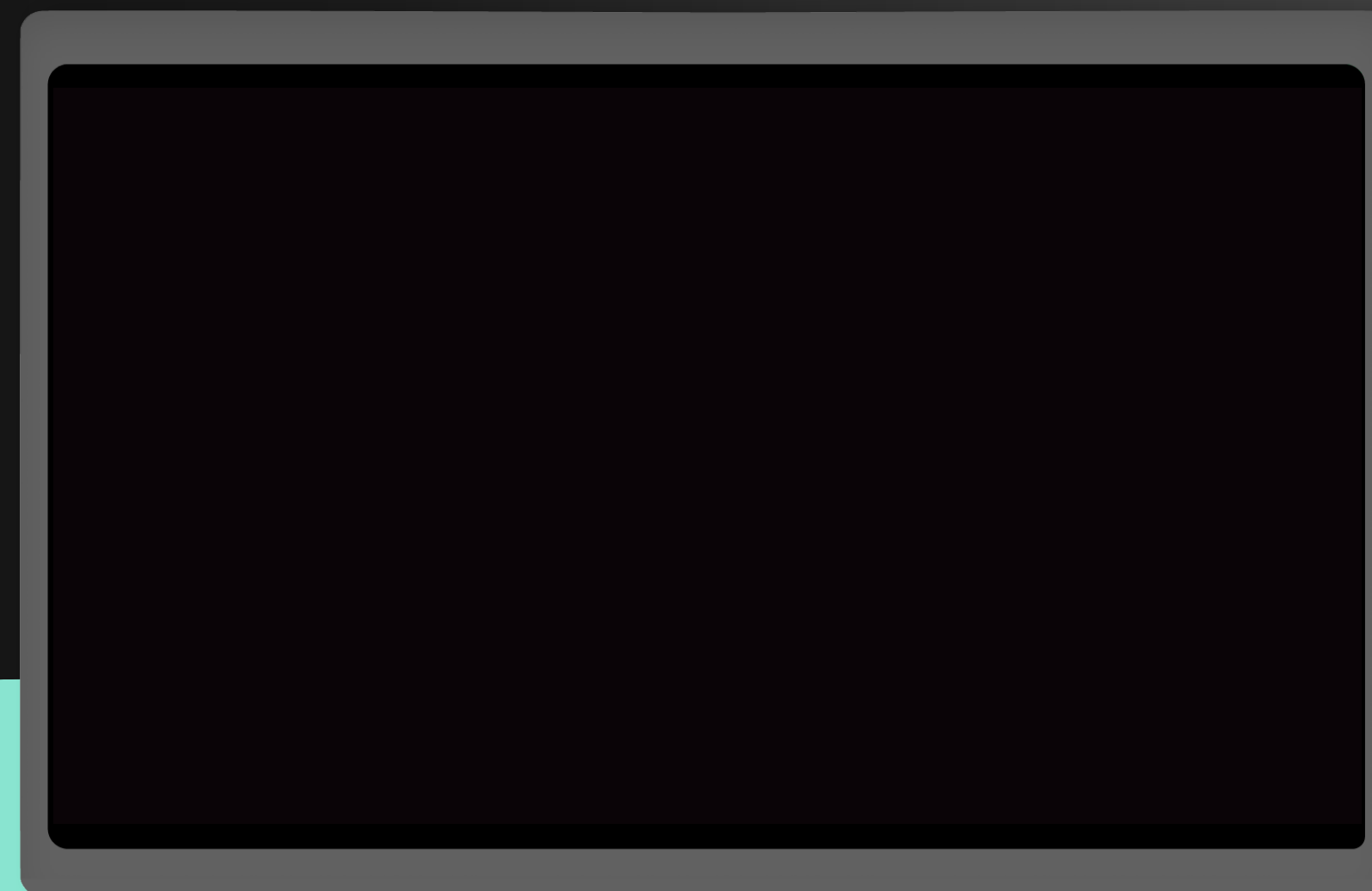


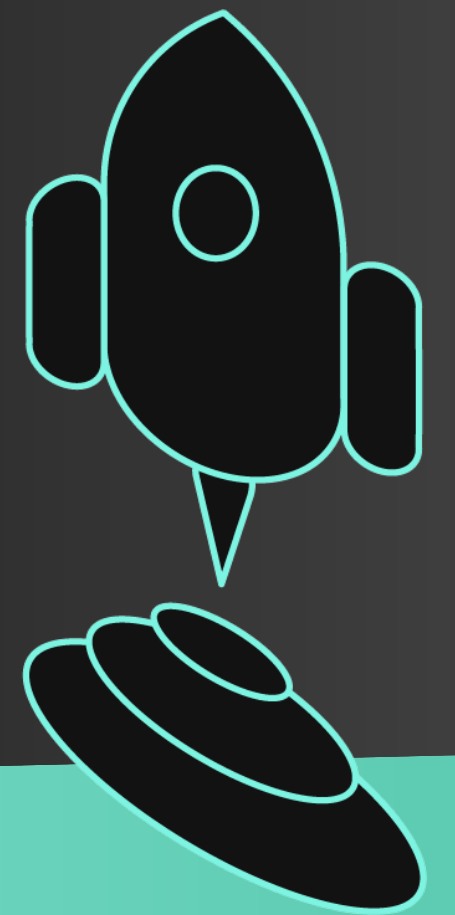


Shaping the future of developer productivity with Backstage

Lee Mills



So what on earth is
Backstage anyway?





An open platform for building developer portals

Created at

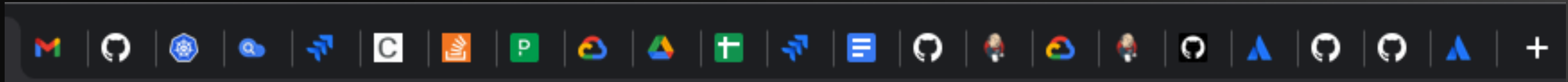


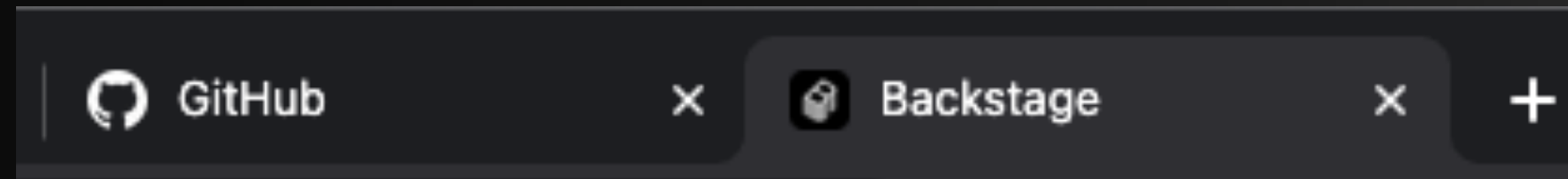
Donated to



An open platform for building developer portals

Backstage





An open platform for building developer portals



App Definition and Development

Database

Streaming & Messaging

Application Definition & Image Build

Continuous Integration & Delivery

Orchestration & Management

Scheduling & Orchestration

Coordination & Service Discovery

Remote Procedure Call

Service Proxy

API Gateway

Service Mesh

Runtime

Cloud Native Storage

Container Runtime

Cloud Native Network

Provisioning

Automation & Configuration

Container Registry

Security & Compliance

Key Management

Special

Kubernetes Certified Service Provider

Kubernetes Training Partner

Certified CNFs

Platform

Certified Kubernetes - Distribution

Certified Kubernetes - Hosted

Certified Kubernetes - Installer

PaaS/Container Service

Observability and Analysis

Monitoring

Logging

Tracing

Chaos Engineering

Continuous Optimization

Serverless

CNCF Serverless Landscape

Members

CNCF Members

CD Foundation Landscape

CD Foundation Landscape

CLOUD NATIVE LANDSCAPE

CLOUD NATIVE COMPUTING FOUNDATION

Redpoint Amplify

l.cncf.io

This landscape is intended as a map through the previously uncharted terrain of cloud native technologies. There are many routes to deploying a cloud native application, with CNCF Projects representing a particularly well-traveled path.



We created Backstage to make developers happy

21k~

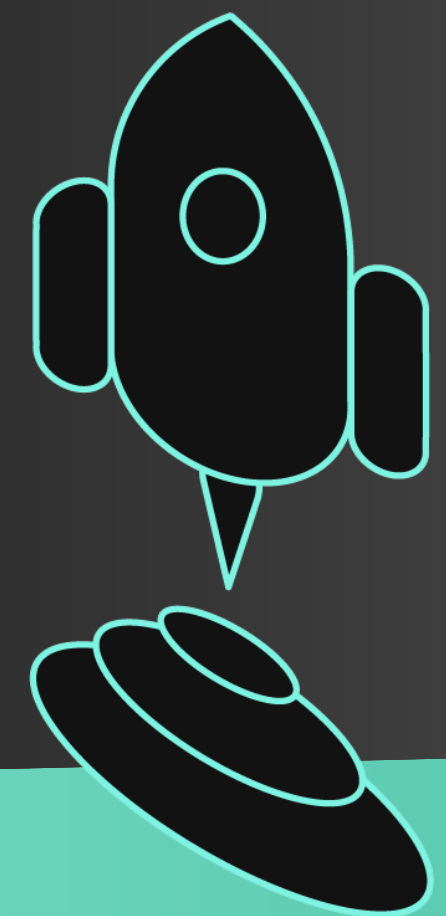
GitHub stars

1k+

Contributors

9k~

Discord
Members



1k+

Companies
adopting*

1k+

Companies
evaluating*

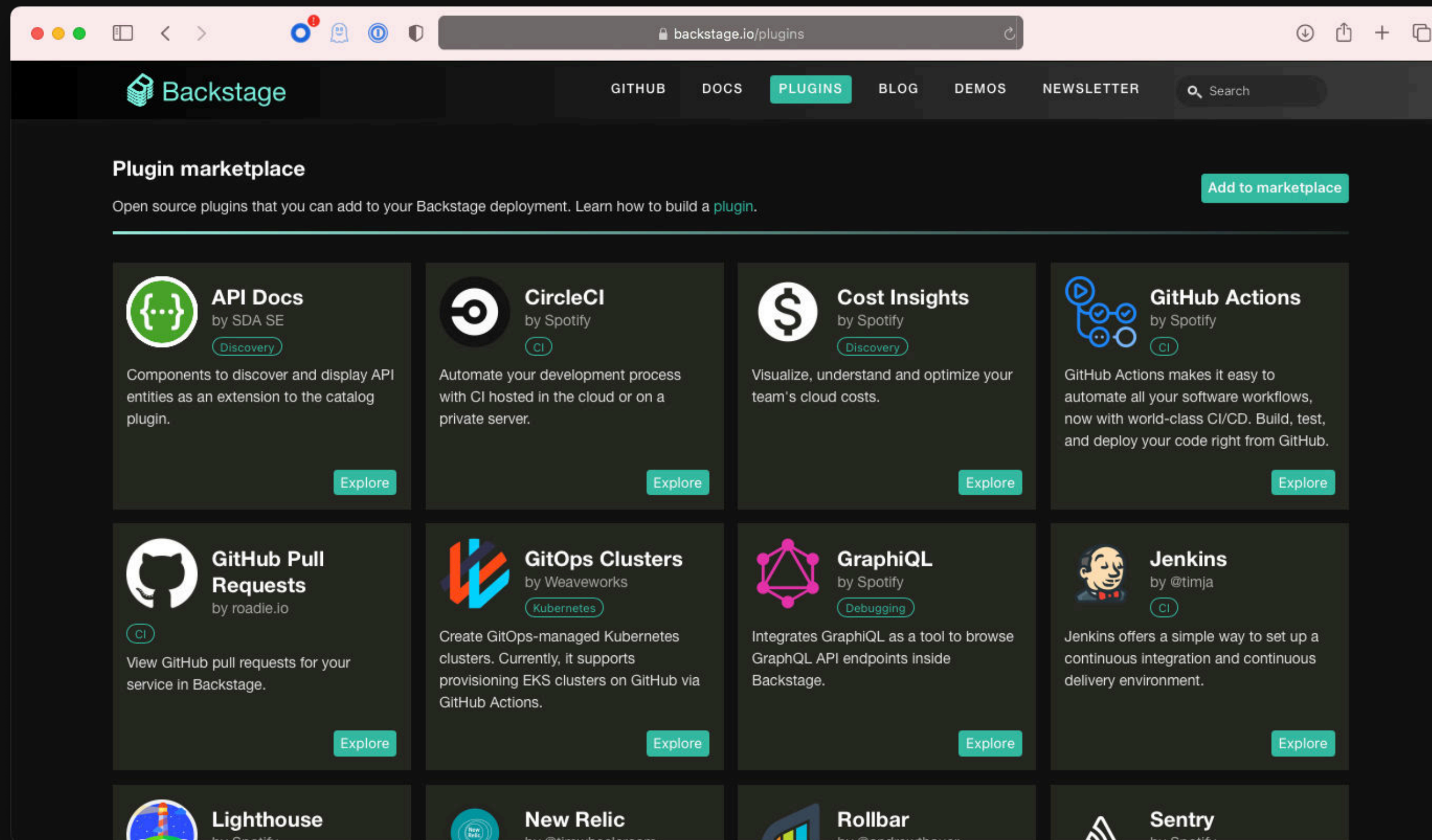
200~

Companies
attending
Office Hours
(in 5 months)

4 Million*

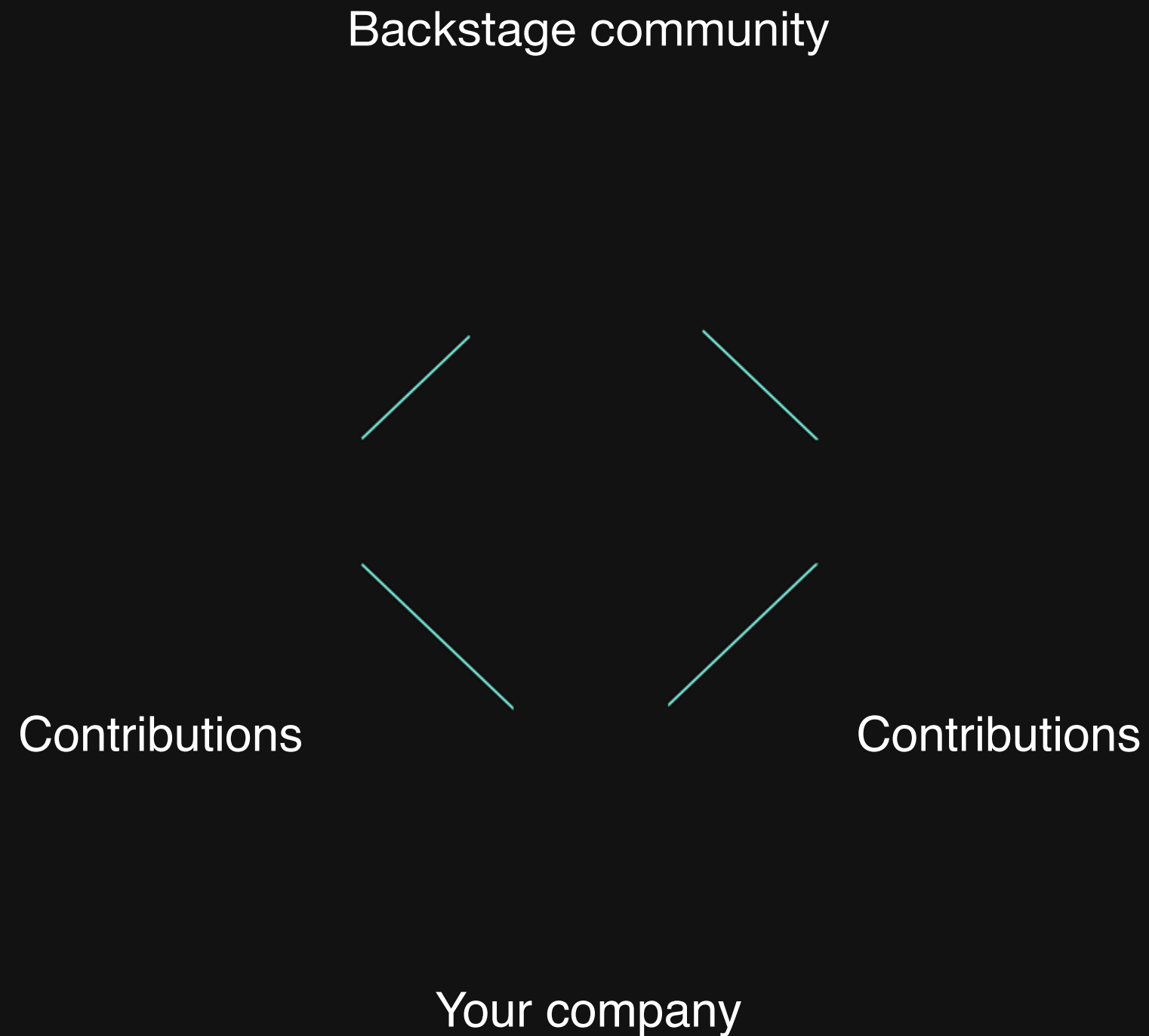
*approximate number of developers impacted by Backstage

Powered by a passionate community



The screenshot shows the Backstage Plugin marketplace page. The browser address bar is `backstage.io/plugins`. The navigation menu includes **GITHUB**, **DOCS**, **PLUGINS** (highlighted), **BLOG**, **DEMOS**, and **NEWSLETTER**. A search bar is located on the right. The main heading is **Plugin marketplace**, with a sub-heading: "Open source plugins that you can add to your Backstage deployment. Learn how to build a [plugin](#)." A button labeled **Add to marketplace** is in the top right. The page displays a grid of plugin cards, each with an icon, title, author, category, description, and an **Explore** button.

Plugin Name	Author	Category	Description
API Docs	by SDA SE	Discovery	Components to discover and display API entities as an extension to the catalog plugin.
CircleCI	by Spotify	CI	Automate your development process with CI hosted in the cloud or on a private server.
Cost Insights	by Spotify	Discovery	Visualize, understand and optimize your team's cloud costs.
GitHub Actions	by Spotify	CI	GitHub Actions makes it easy to automate all your software workflows, now with world-class CI/CD. Build, test, and deploy your code right from GitHub.
GitHub Pull Requests	by roadie.io	CI	View GitHub pull requests for your service in Backstage.
GitOps Clusters	by Weaveworks	Kubernetes	Create GitOps-managed Kubernetes clusters. Currently, it supports provisioning EKS clusters on GitHub via GitHub Actions.
GraphiQL	by Spotify	Debugging	Integrates GraphiQL as a tool to browse GraphQL API endpoints inside Backstage.
Jenkins	by @timja	CI	Jenkins offers a simple way to set up a continuous integration and continuous delivery environment.
Lighthouse	by Spotify		
New Relic	by @timwheeler.com		
Rollbar	by @andrewthauer		
Sentry	by Spotify		



A sustainable OSS model

By building a developer portal on an open platform, you can:

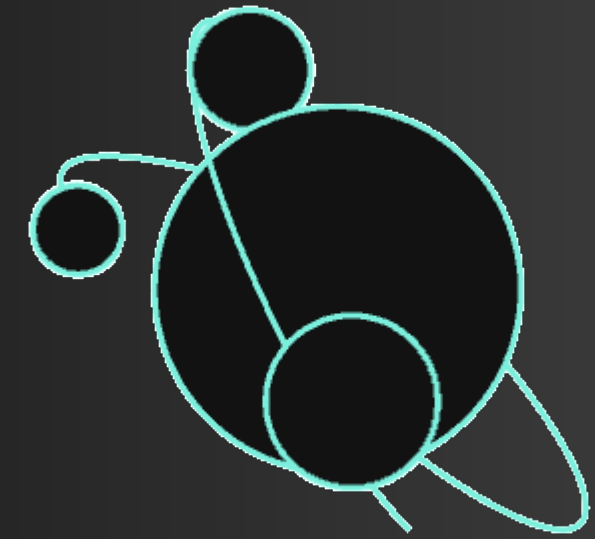
- ❑ Leverage common integrations and best practices developed with the community
- ❑ Customize those integrations to suit your unique needs



Speed

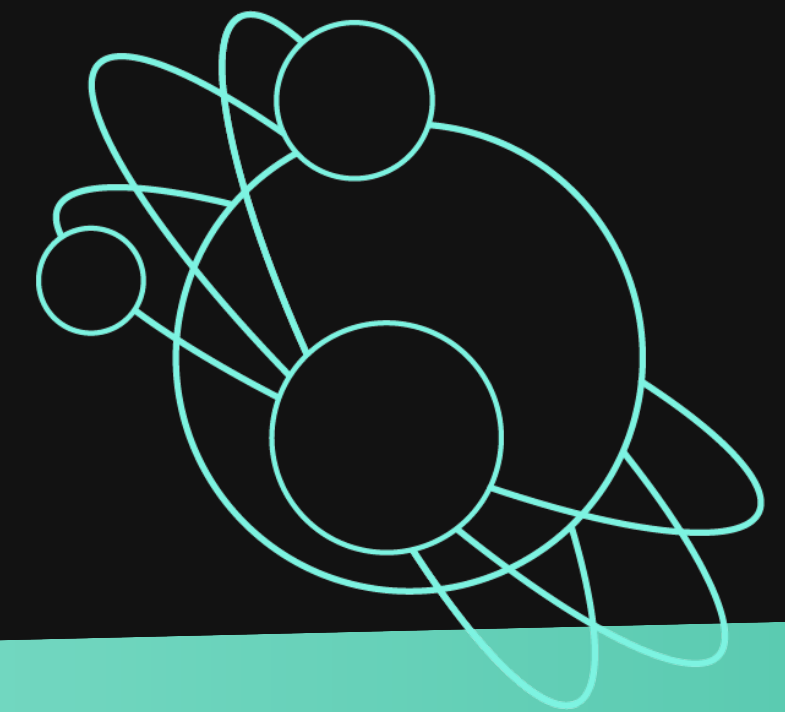


Standards

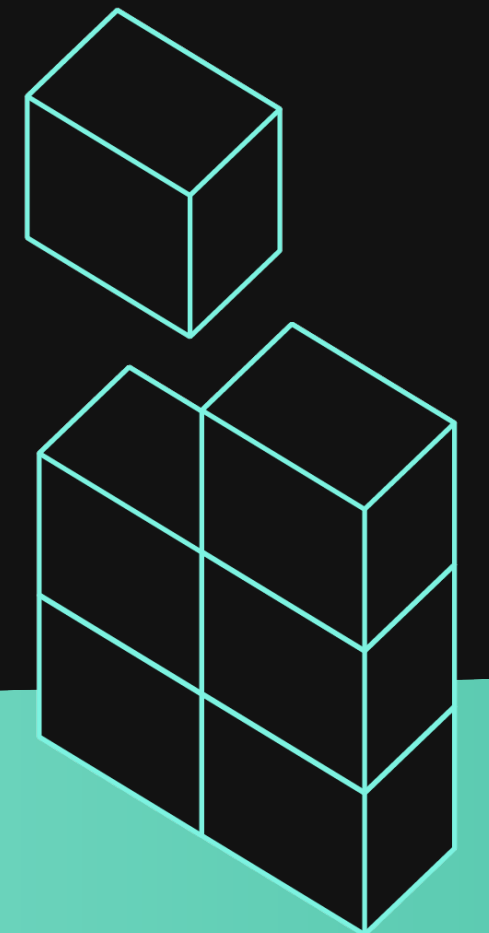


Ecosystem

Centralization of technology assets



Software creation













🔍 Search ✕

Your Starred Entities

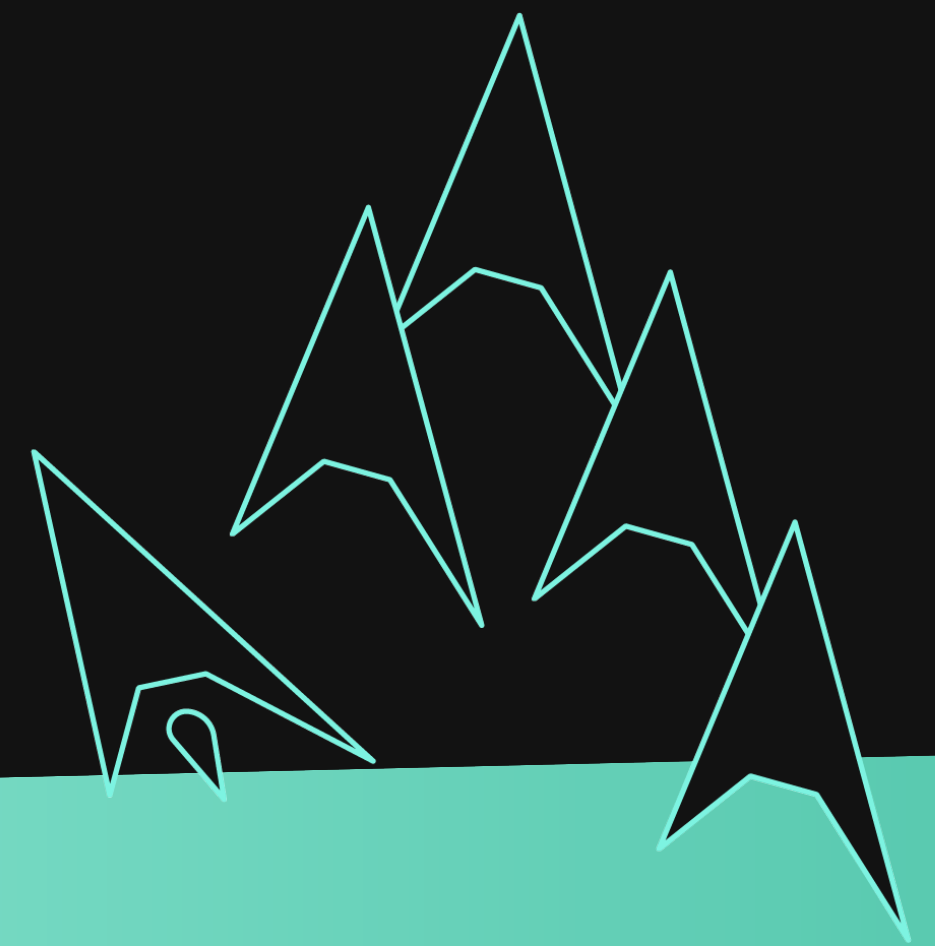
You do not have any starred entities yet!

Toolkit

-  link
-  link
-  link
-  link
-  link
-  link
-  link
-  link



Onboarding













🔍 Search ✕

Your Starred Entities

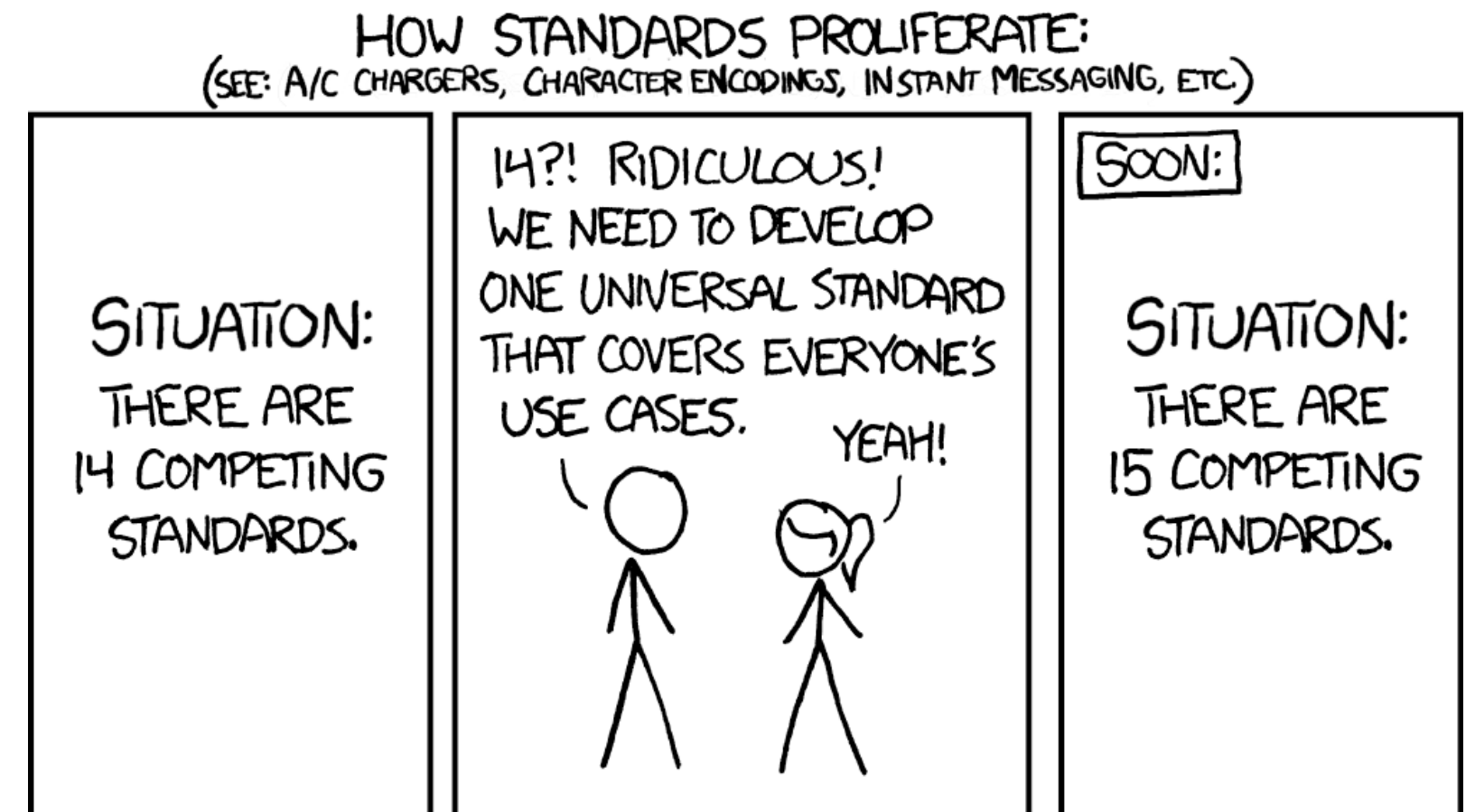
You do not have any starred entities yet!

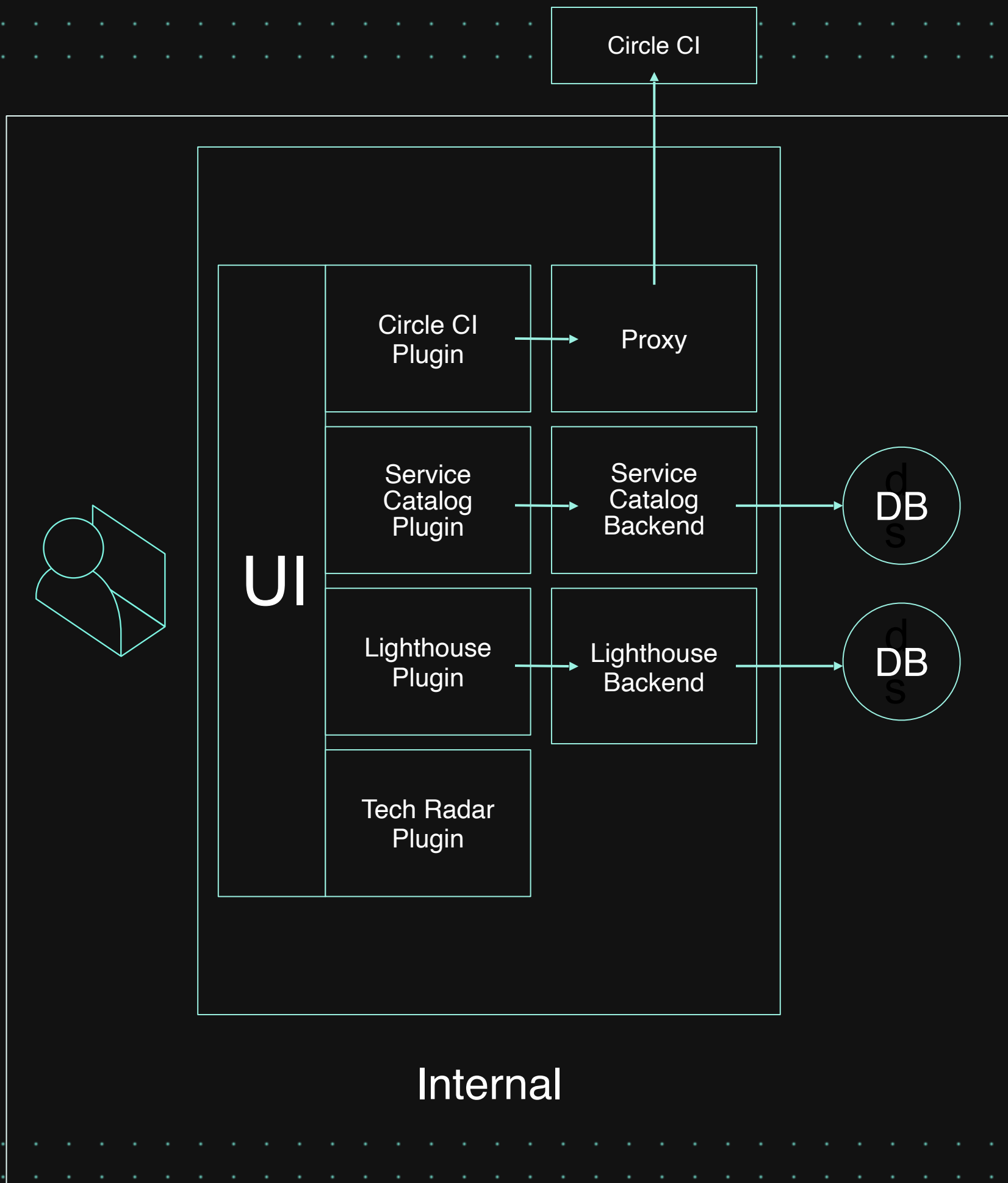
Toolkit

-  link
-  link
-  link
-  link
-  link
-  link
-  link
-  link

Core Philosophy

- ❑ Backstage is the interface
 - ❑ Aggregator, rarely the source of truth
- ❑ Autonomy
 - ❑ We build it together; no big central platform team
 - ❑ The team closest to the problem owns the plugin
- ❑ Ownership
 - ❑ There should be a single point of contact for any software
 - ❑ These owners are empowered and responsible for metadata





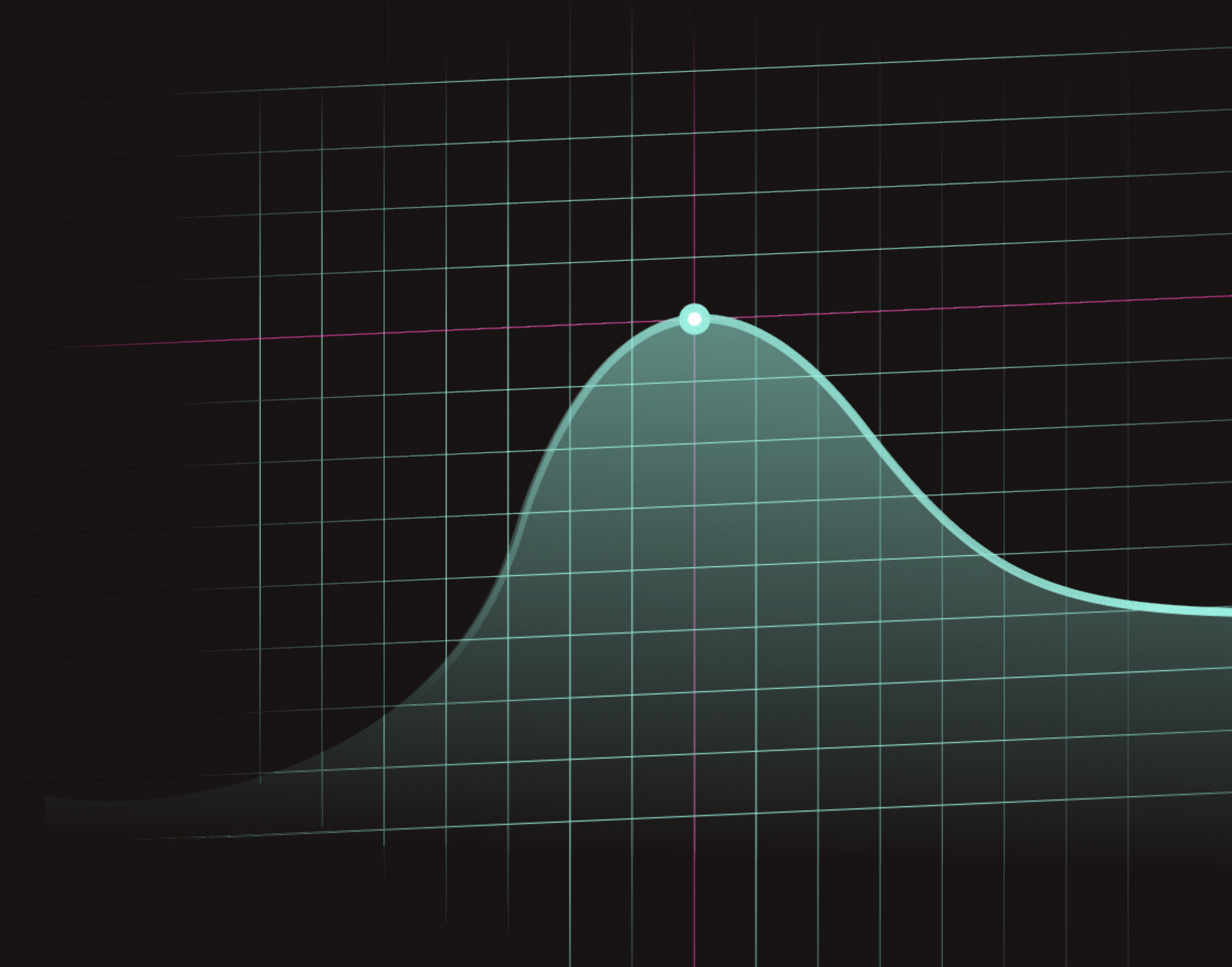
A true platform, inside and out

- ❑ A small team maintains the core features of the Backstage app
- ❑ Different platform teams build and maintain all the other plugins
- ❑ Feature teams use the plugins to build and maintain their software (and provide feedback directly to the plugin owners)

At Spotify, we reduced time- to-10th-pull-
request from

66 days to 22 days

(66% drop)



86%

of internal users
are satisfied
with Backstage

80%

of contributions
are from outside
the core team

150+

plugins contributed
from 100+ squads



**are 2.3x more
active in GitHub**



**create 2x code
changes in 17%
less cycle time**



**deploy software
2x as often and
their software is
deployed for
3x as long**



**are 5% more likely
to be at Spotify
one year later**



Quick access

RECENTLY VISITED

- Service backstage-gateway
- Documentation web
- Documentation imaginary-goats
- Documentation web-infra-adrs
- Project tastebudz-spotify

FREQUENTLY VISITED

Toolbox

LEAVE FEEDBACK

GENERAL

- Spotify Start
- Code Search
- Cloud Search
- Stack Overflow
- Skill Exchange
- PagerDuty
- Tech Insights
- Groups



Inference with COVID-Net

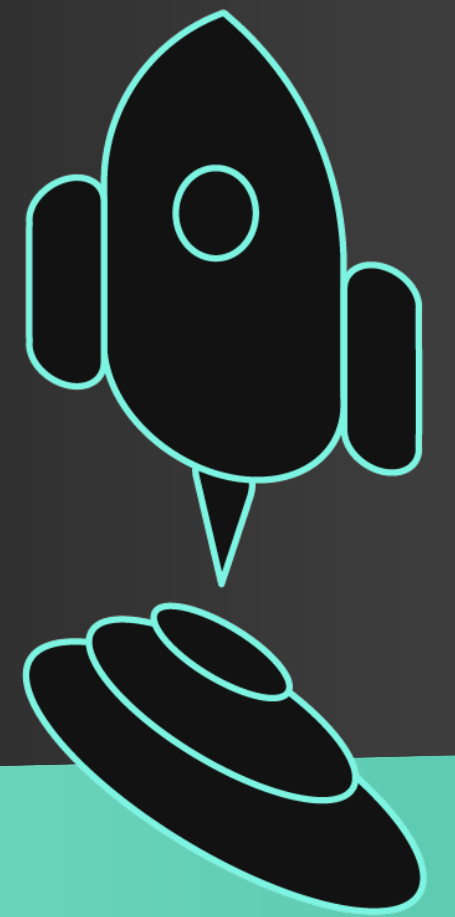
INFERENCE

SUPPORT

Classification	Probability
Normal	N/A
Pneumonia	N/A
COVID-19	N/A



Questions?





Join the **Backstage** community



<https://backstage.io>

<https://backstage.spotify.com>