goto;

GOTO
AARHUS 2023

#GOTOaar

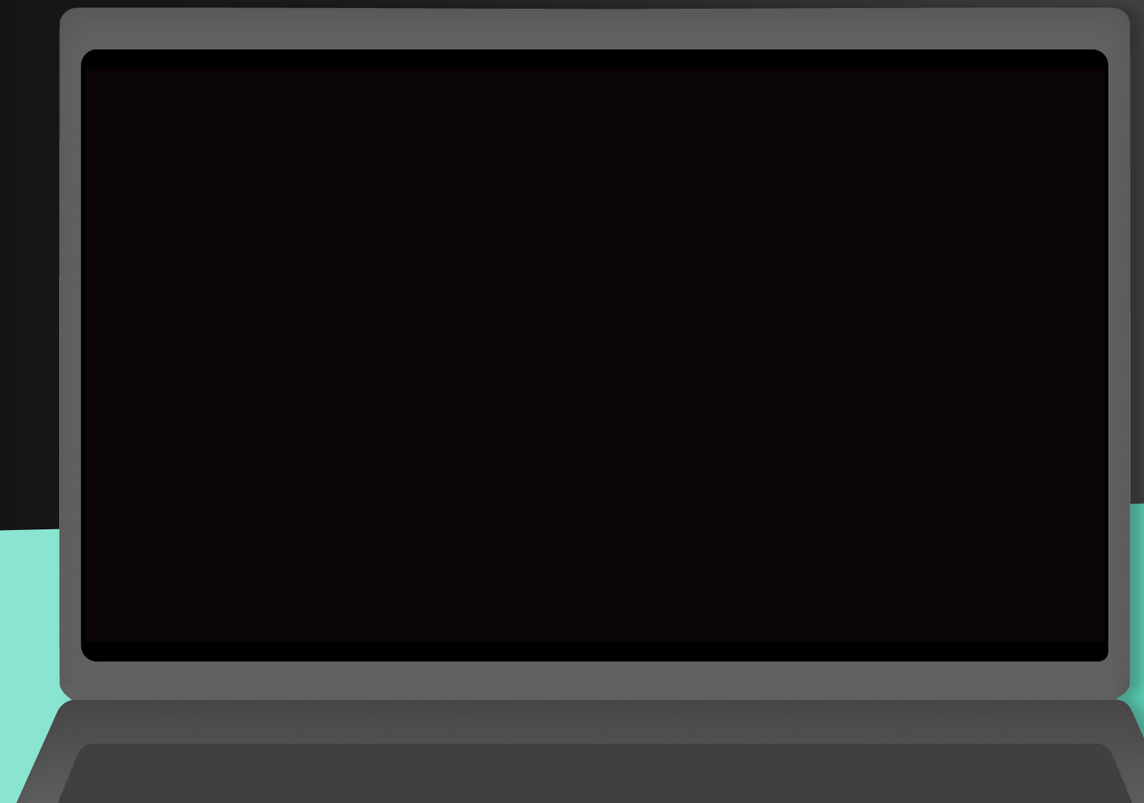
Backstage

Shaping the future of developer productivity with Backstage

Lee Mills

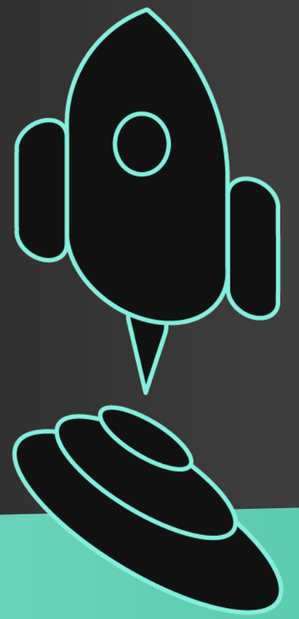
Senior Engineering Manager @ Spotify

End User Sponsor, Backstage



Backstage

So what on earth is **Backstage** anyway?



Backstage

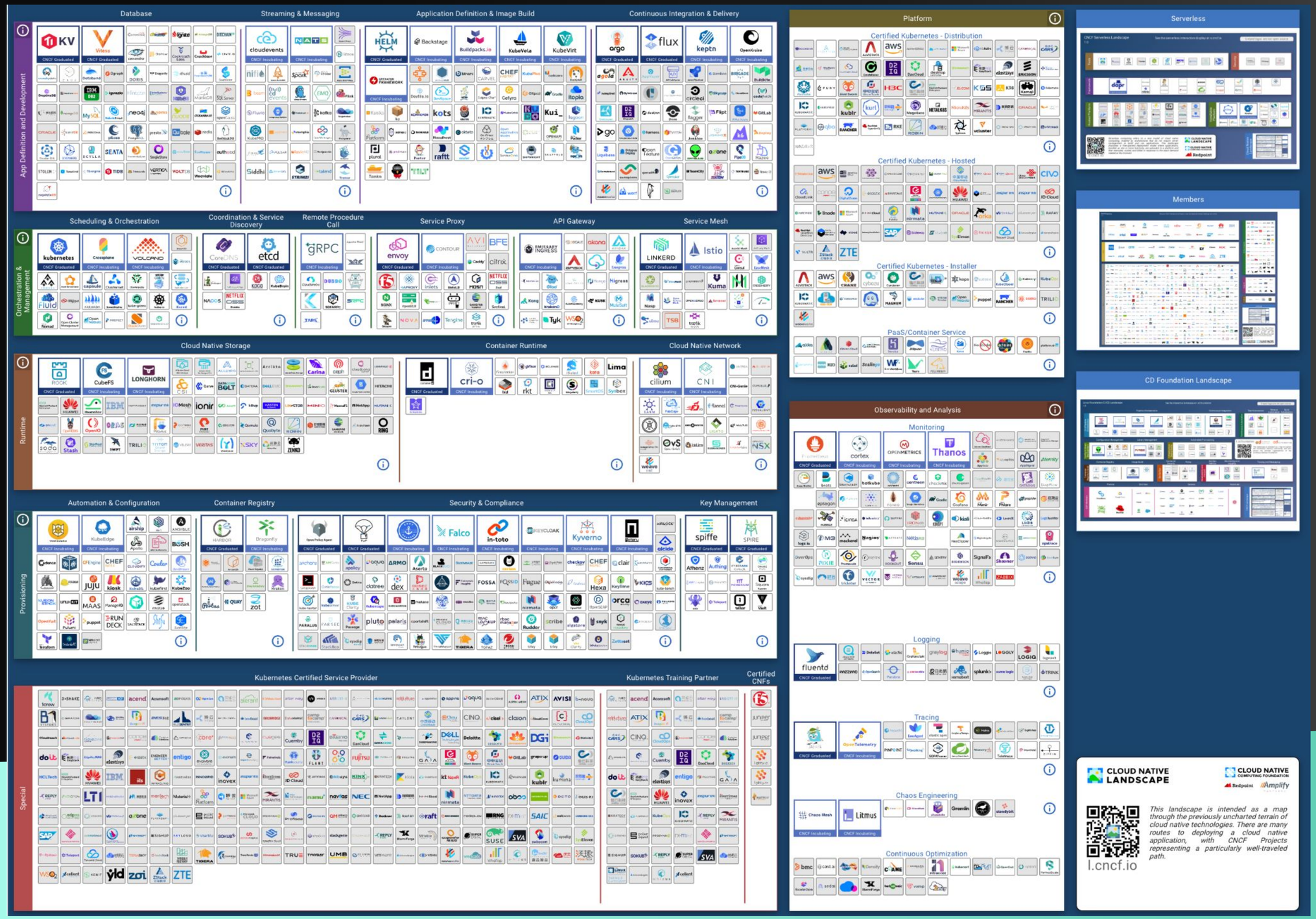
An open platform for building developer portals

Created at

Donated to

Backstage

An open platform for building developer portals

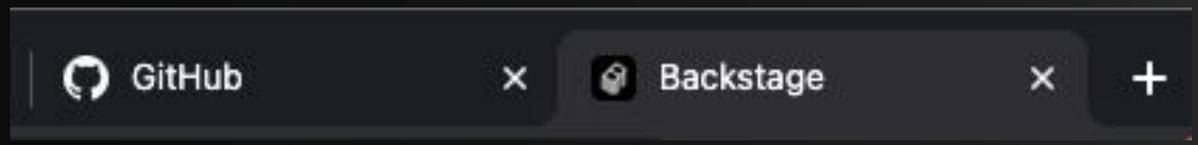

Database
Streaming & Messaging
Application Definition & Image Build
Continuous Integration & Delivery
App Definition and Development
Scheduling & Orchestration
Coordination & Service Discovery
Remote Procedure Call
Service Proxy
API Gateway
Service Mesh
Orchestration & Management
Cloud Native Storage
Container Runtime
Cloud Native Network
Runtime
Automation & Configuration
Container Registry
Security & Compliance
Key Management
Provisioning
Kubernetes Certified Service Provider
Kubernetes Training Partner
Certified CNFs
Special
Platform
Certified Kubernetes - Distribution
Certified Kubernetes - Hosted
Certified Kubernetes - Installer
PaaS/Container Service
Observability and Analysis
Monitoring
Logging
Tracing
Chaos Engineering
Continuous Optimization
Serverless
Members
CD Foundation Landscape
CLOUD NATIVE LANDSCAPE
CLOUD NATIVE COMPUTING FOUNDATION
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.
l.cncf.io

https://github.com/

Backstage

https://github.com/

Backstage



Backstage

An open platform for building developer portals

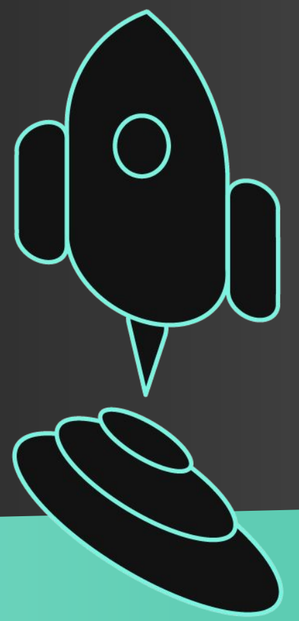
Backstage

We created Backstage to make developers happy

21k~
GitHub stars

1k+
Contributors

9k~
Discord Members



Backstage

1k+

Companies adopting*

1k+

Companies evaluating*

200~

Companies attending Office Hours
(in 5 months)

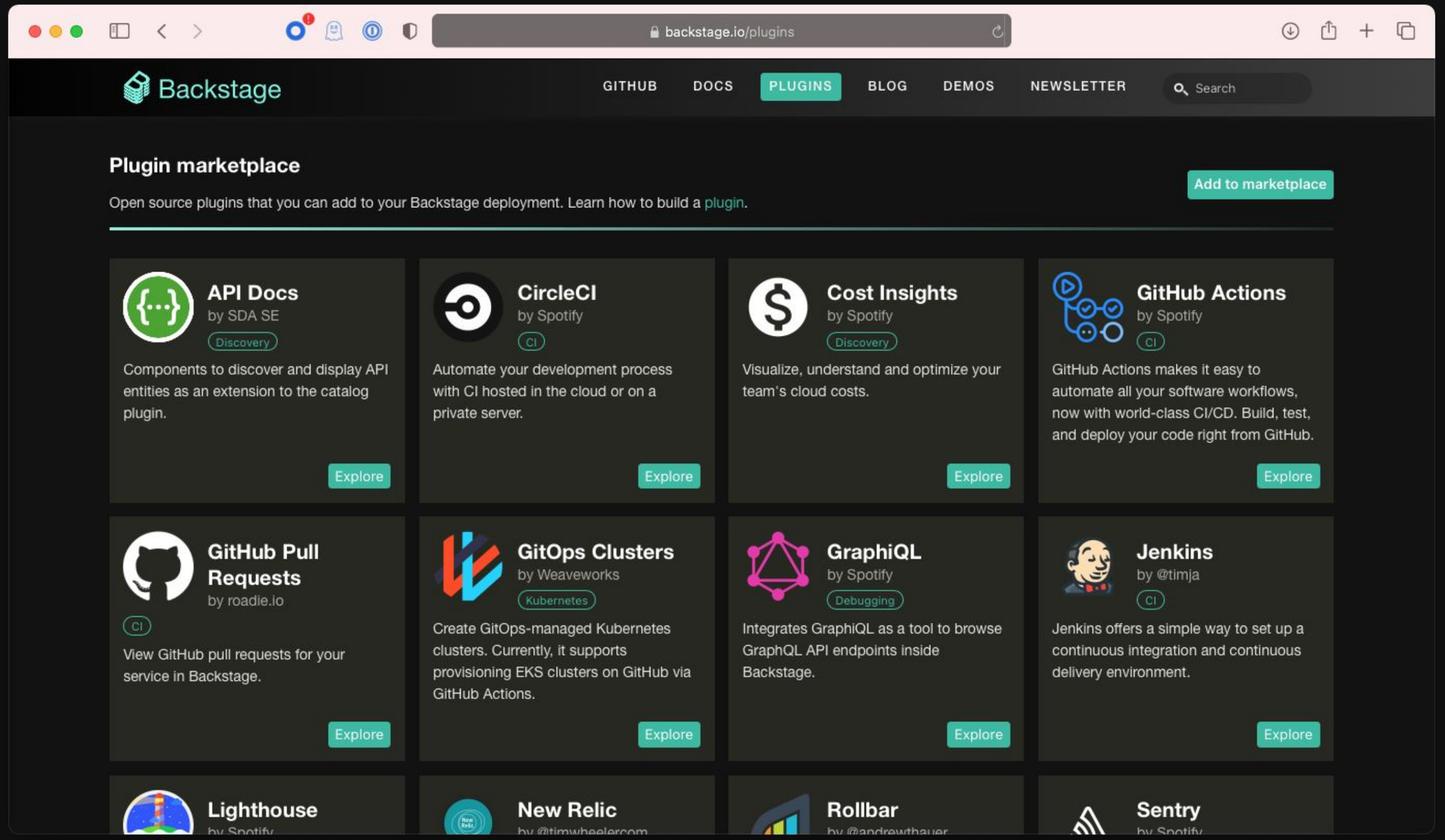
(*) Companies that we are aware of

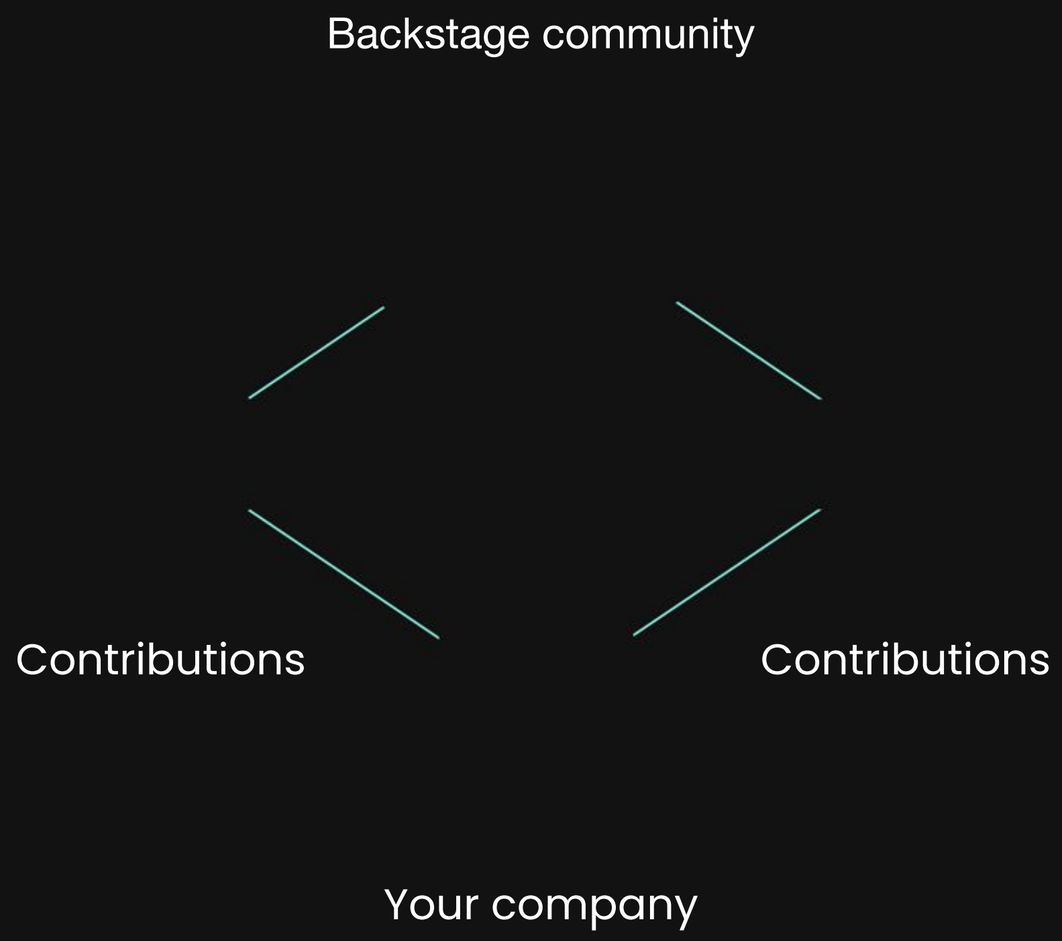
Backstage

4 Million*

*approximate number of developers impacted by Backstage

Powered by a passionate community



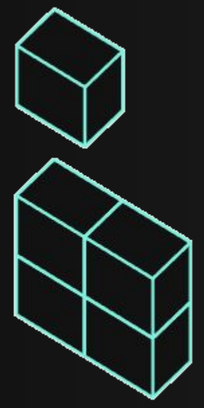


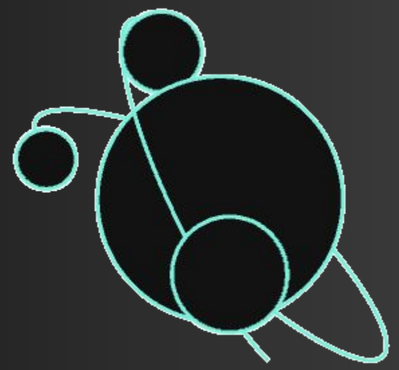
A sustainable OSS model

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

Backstage



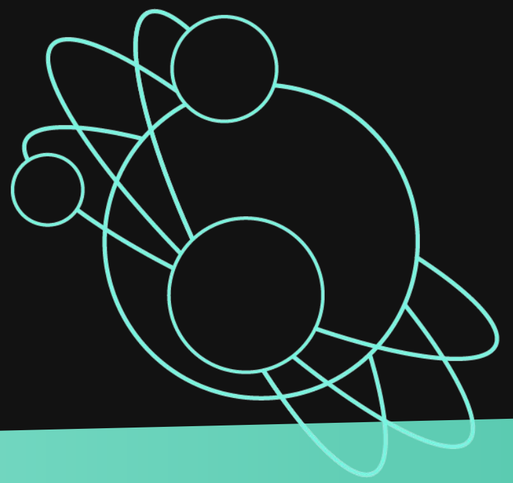


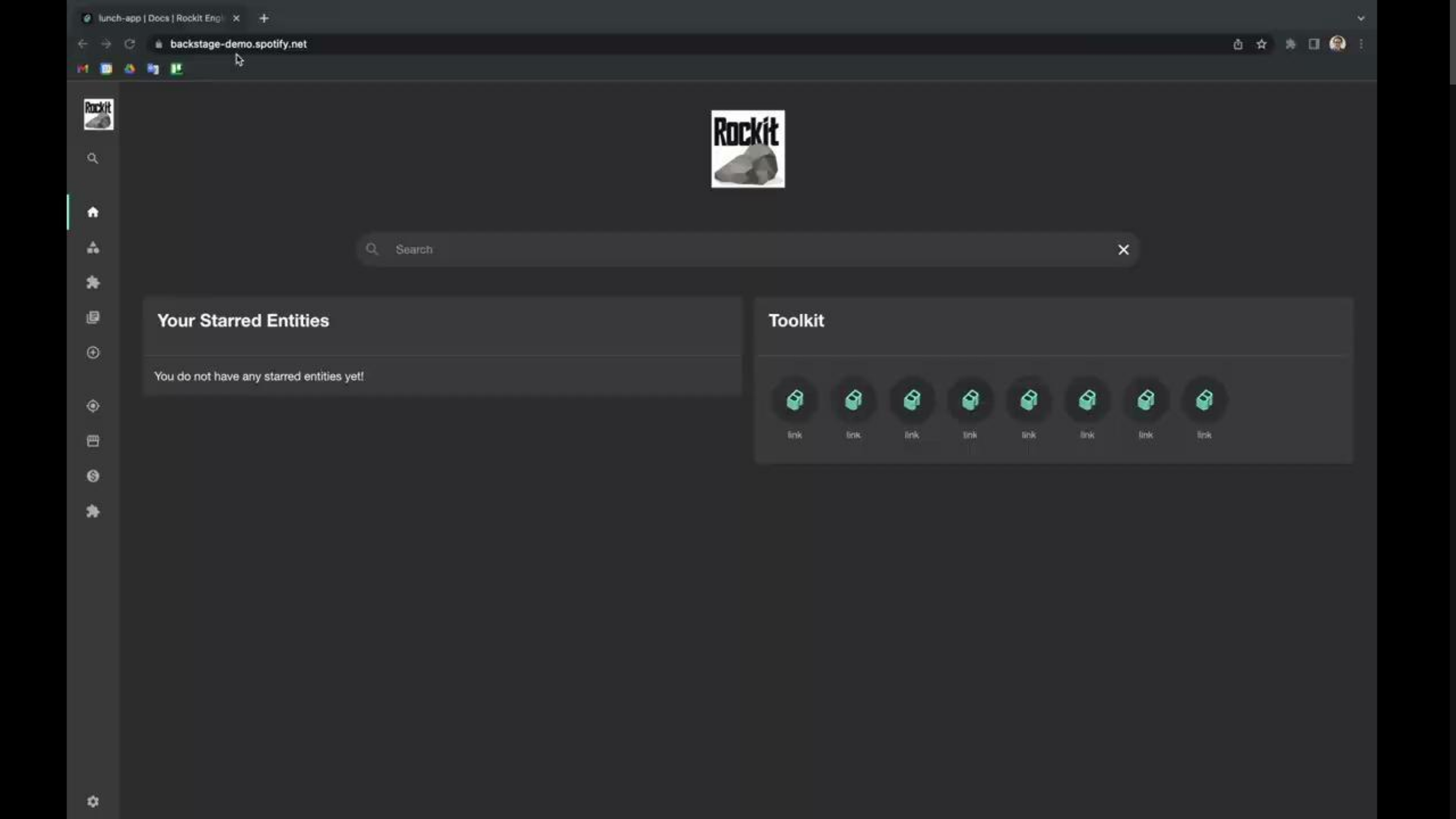
Speed

Standards

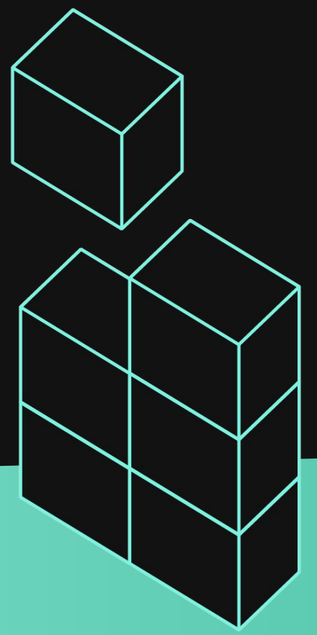
Ecosystem

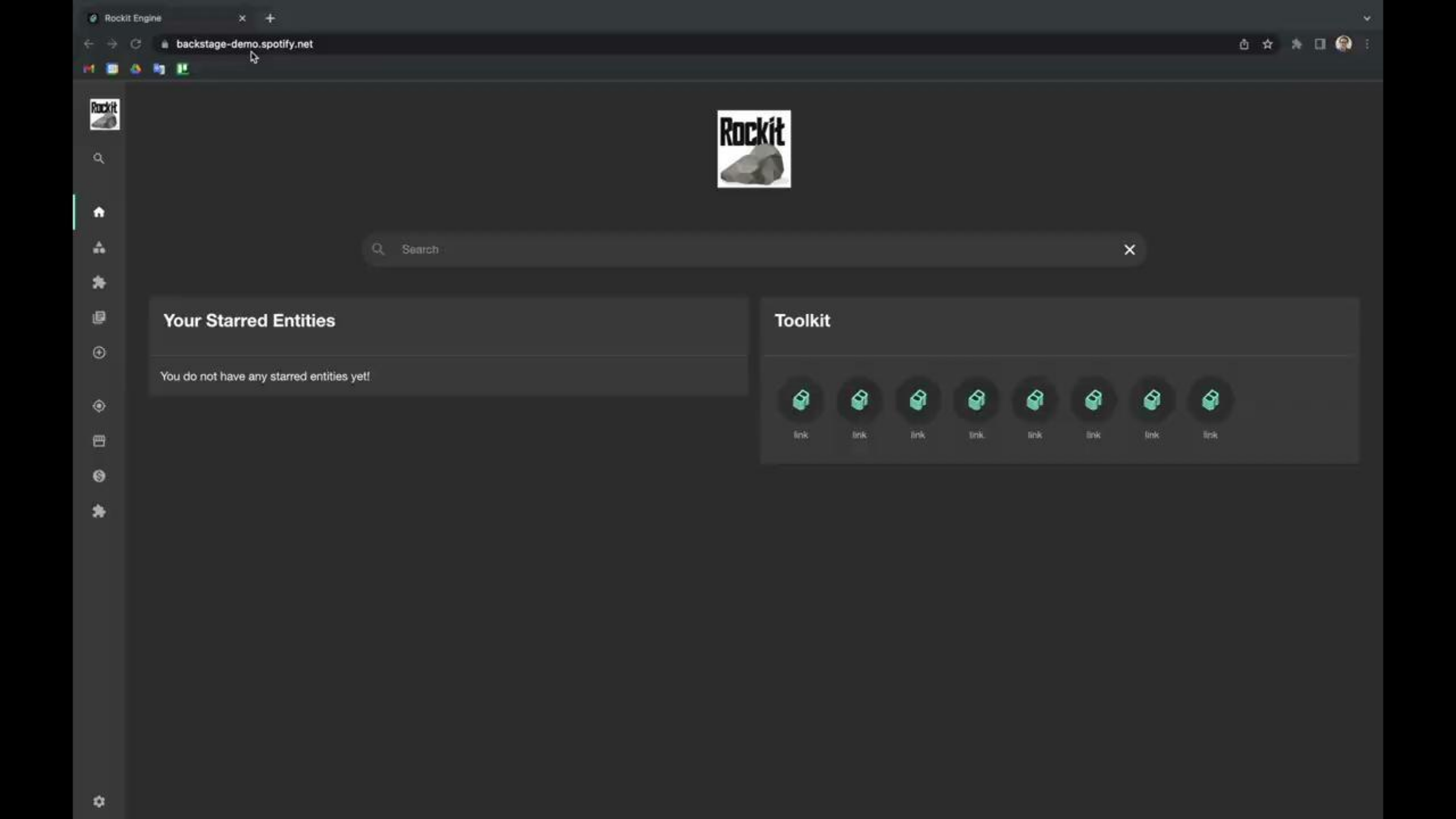
Centralization of technology assets




lunch-app | Docs | Rockit Eng
backstage-demo.spotify.net
Search
Your Starred Entities
You do not have any starred entities yet!
Toolkit
link
link
link
link
link
link
link
link

Software creation




Rockit Engine
backstage-demo.spotify.net
Search
Your Starred Entities
You do not have any starred entities yet!
Toolkit
link
link
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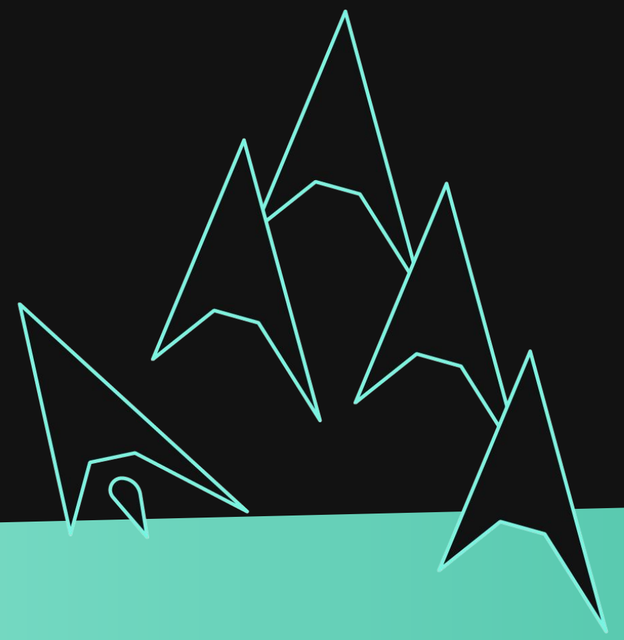
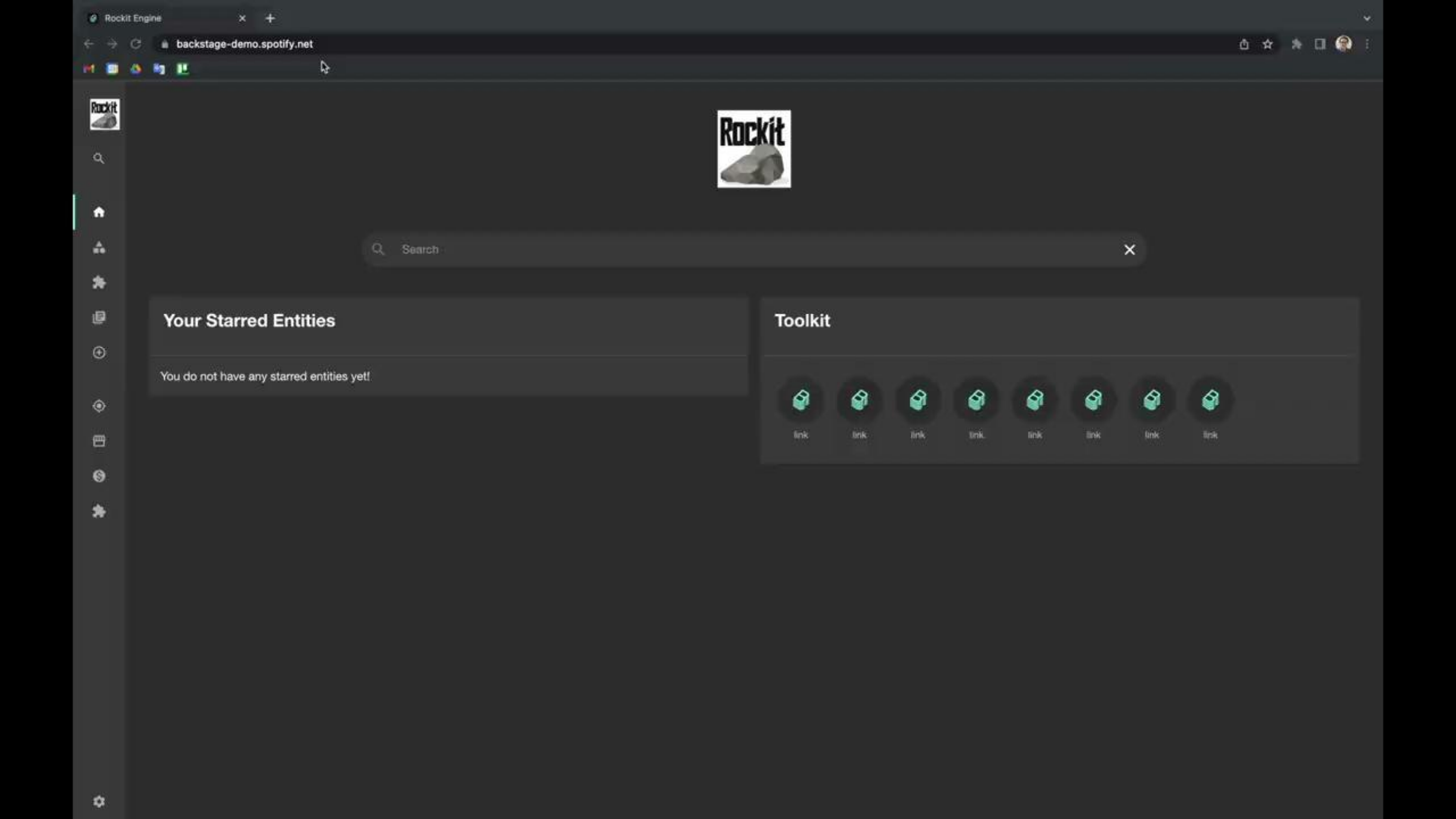
link
link

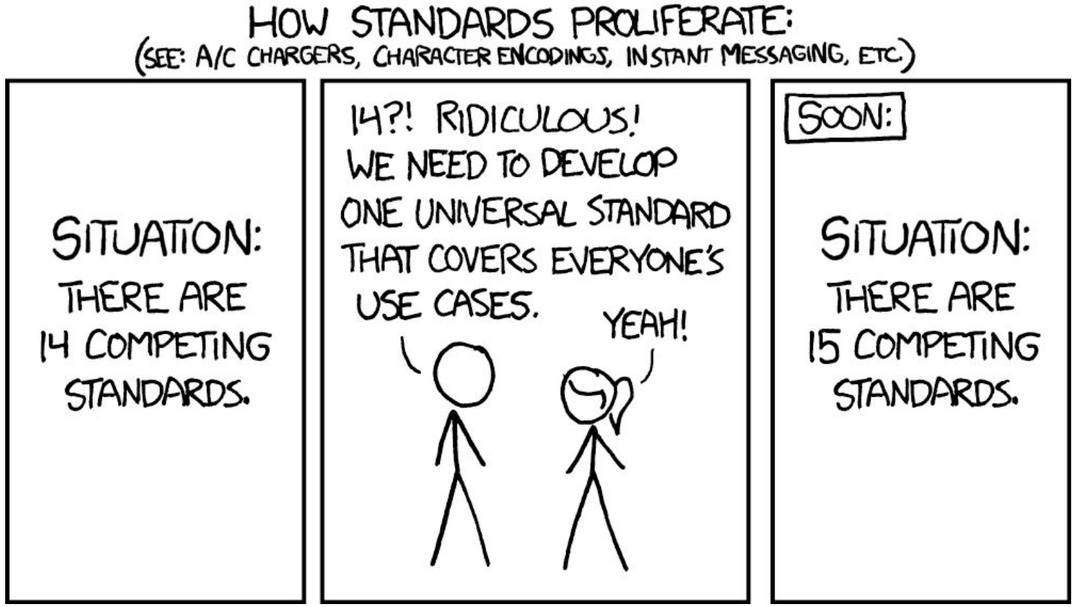
Onboarding

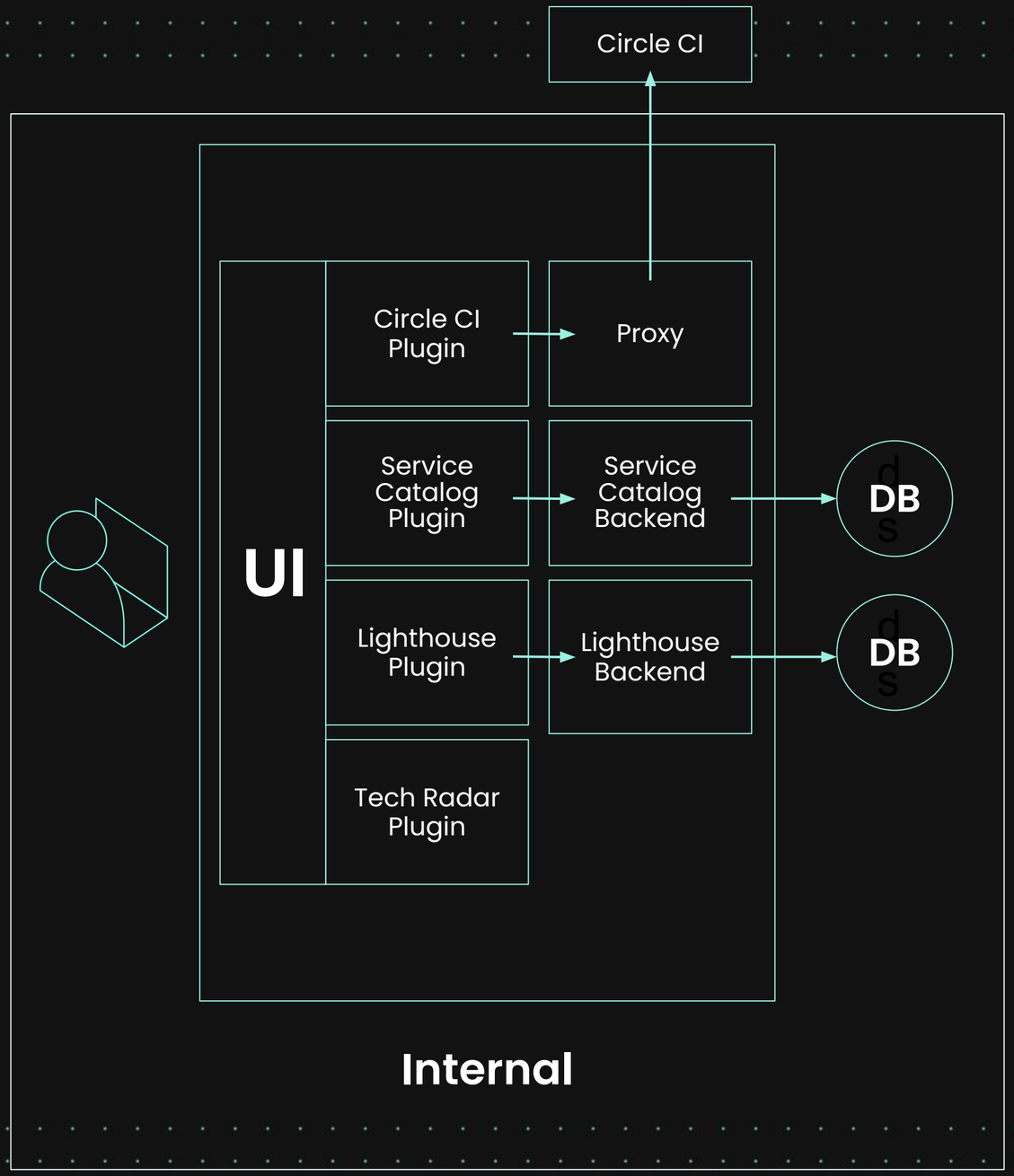



Rockit Engine
backstage-demo.spotify.net
Search
Your Starred Entities
You do not have any starred entities yet!
Toolkit
link
link
link
link
link
link
link
link

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





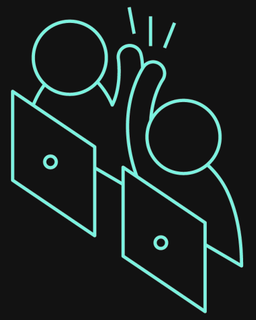
A true platform, inside and out

- 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)

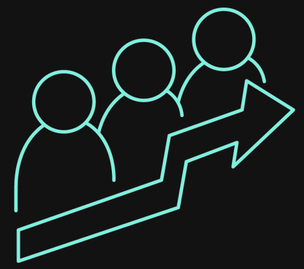
Effectiveness = *f* (Productivity, Happiness)

RBAC

Soundcheck

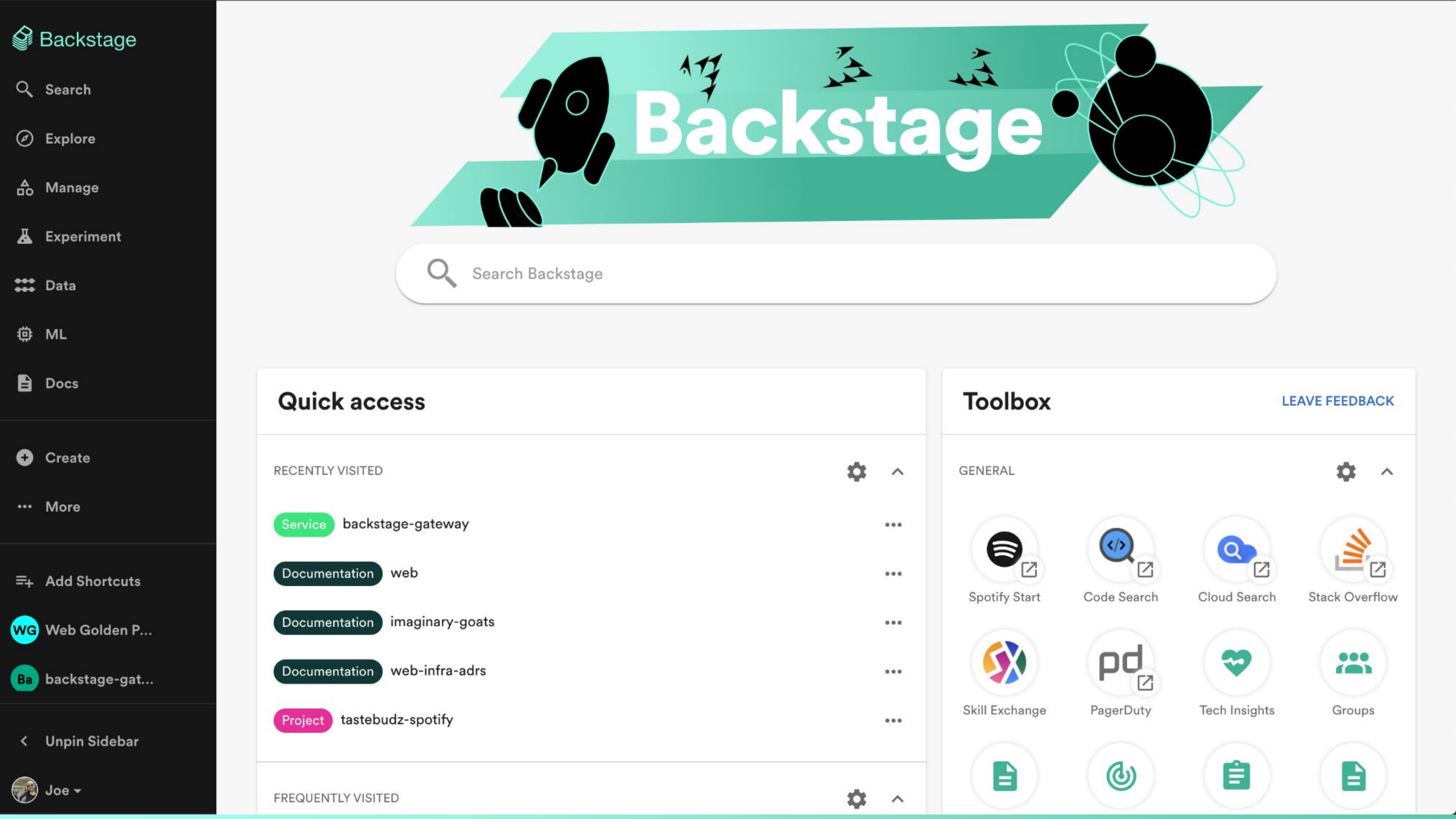


Skill Exchange



Pulse

Insights


Backstage
Search
Explore
Manage
Experiment
Data
ML
Docs
Create
More
Add Shortcuts
Web Golden P...
backstage-gat...
Unpin Sidebar
Joe
Backstage
Search Backstage
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

Backstage

FK.

Firekube COVID

GitOps-managed Kubernetes

Version 0.1.0

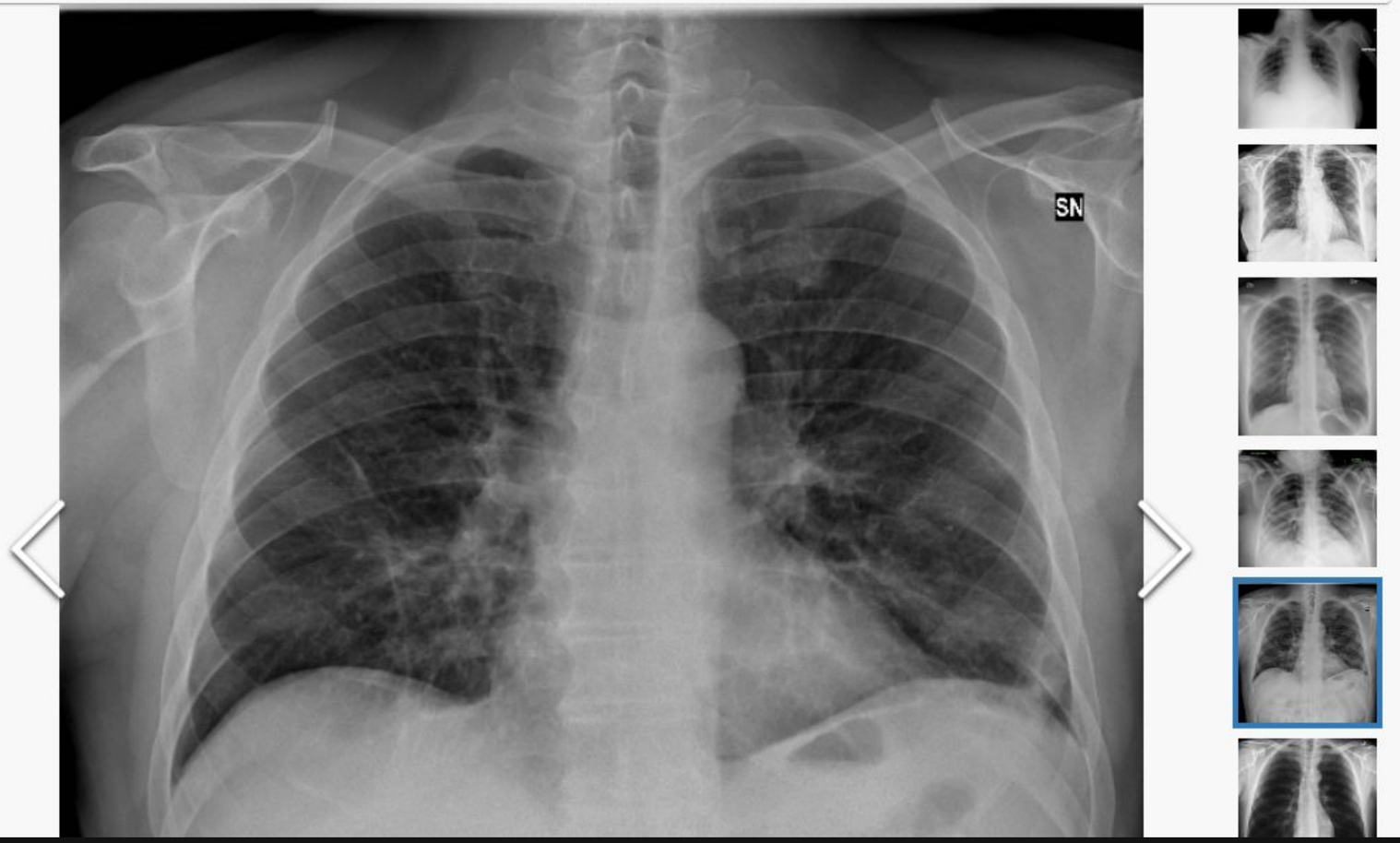
Lifecycle alpha

Inference with COVID-Net

INFERENCE

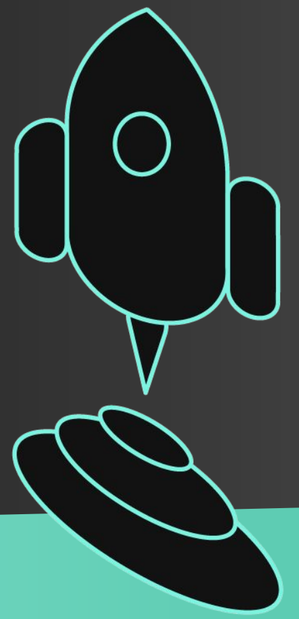
SUPPORT

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



Backstage

Questions?



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