

Continuous Development



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Hi, I'm Matan.

A 'Code Person' in Infra



**Software
Development
Team Lead**

Responsible for Wix devEx
in Production

IDF (Mamram)

Walk Me

Wix

Today

Agenda

My local dev env

Skaffold 

Skaffold & Helm

Skaffold & Bazel

01 My Local Development Environment

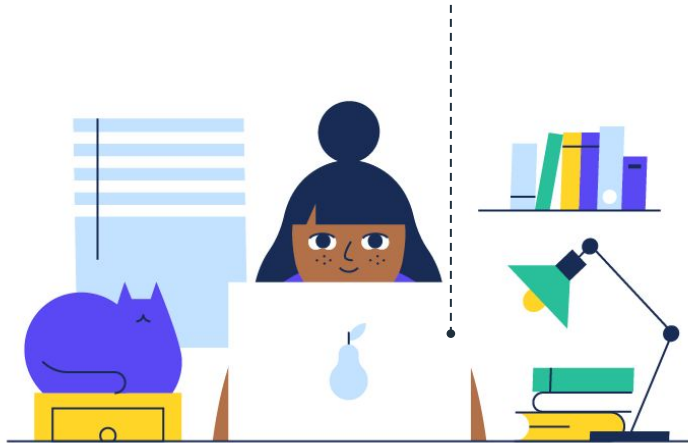
I need:



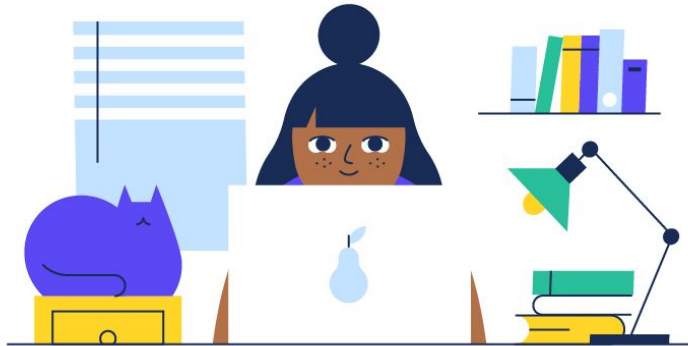
Velocity

A good experience

Fast Feedback loop



Options for running
my code:

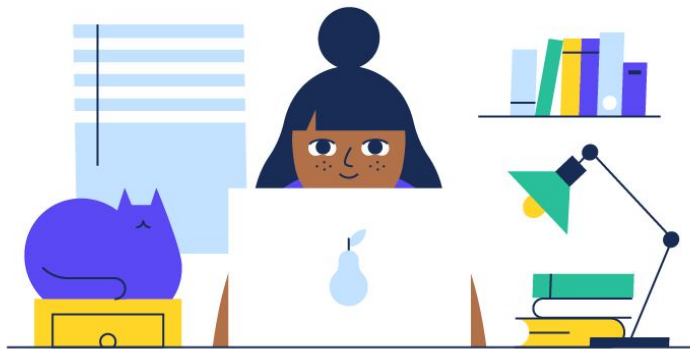


**Nothing like
production**

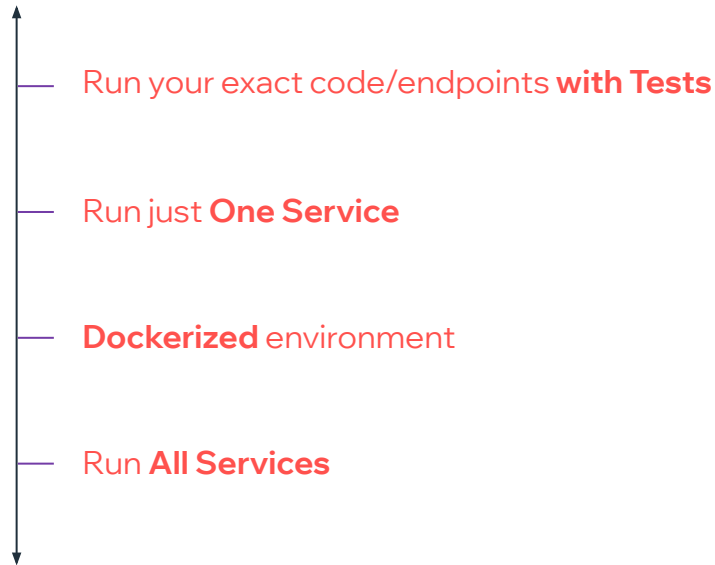


**Exactly like
production**

Options for running
my code:



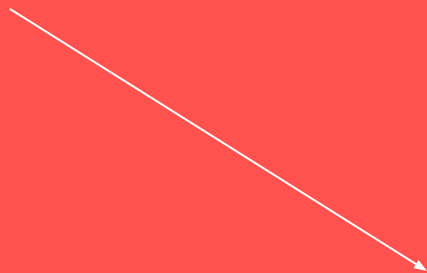
Nothing like production



Exactly like production

What if...

We can get here?



**Exactly like
production**



Velocity

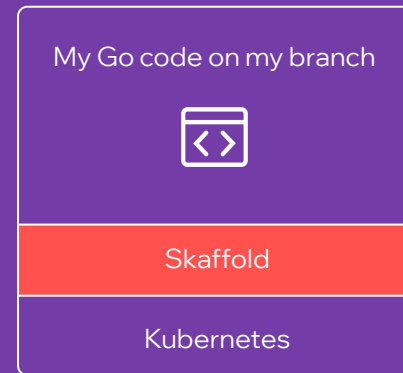
A good experience

Feedback loop



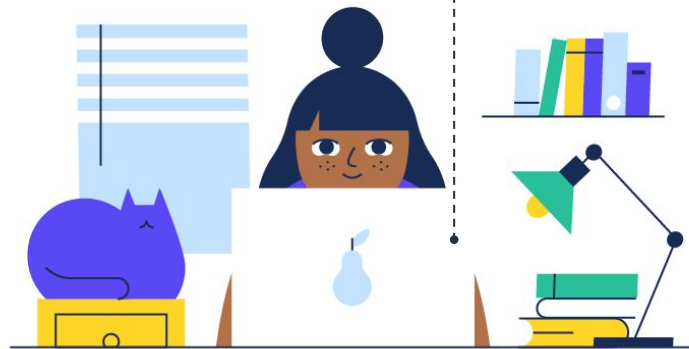
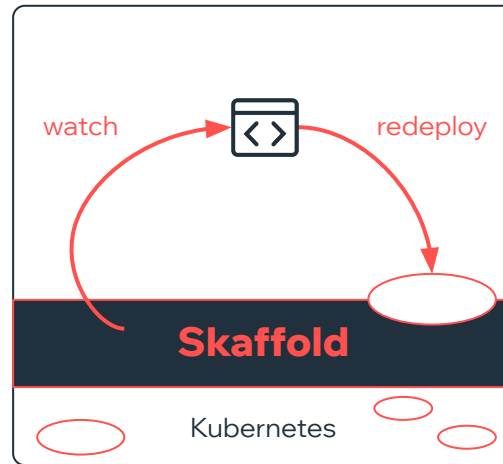
02 Skaffold

to Run code locally with Kubernetes.

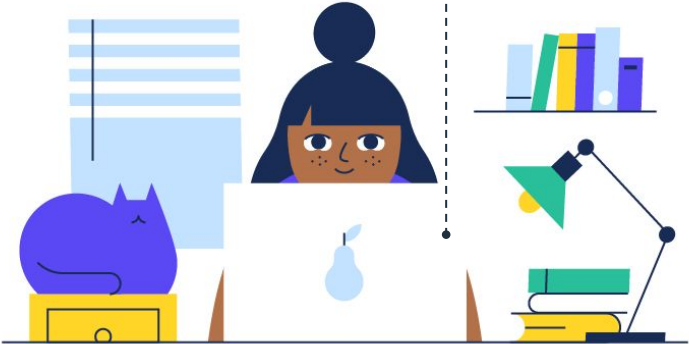
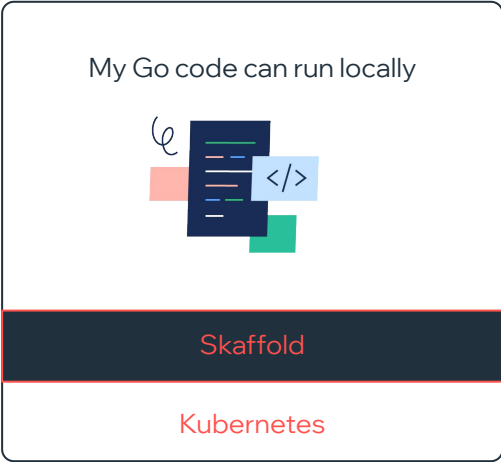


Hot Rebuild

+cleanup



Continuous Development



Demo #1

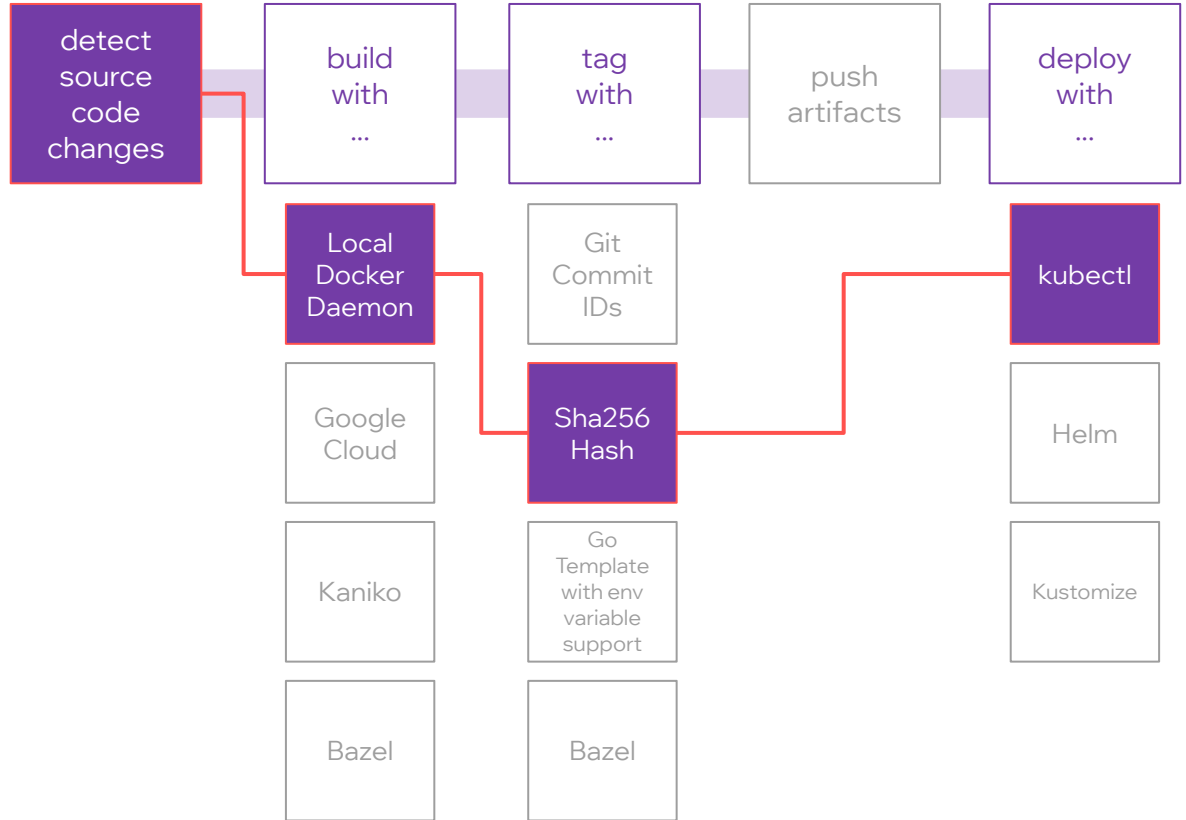
Guestbook app pushes messages to mongoDB



Installed

1. Docker for mac
Enable Kubernetes
2. Skaffold
`brew install skaffold`
3. Cloud code extension in
VScode/Intellij

Plug What You Need.

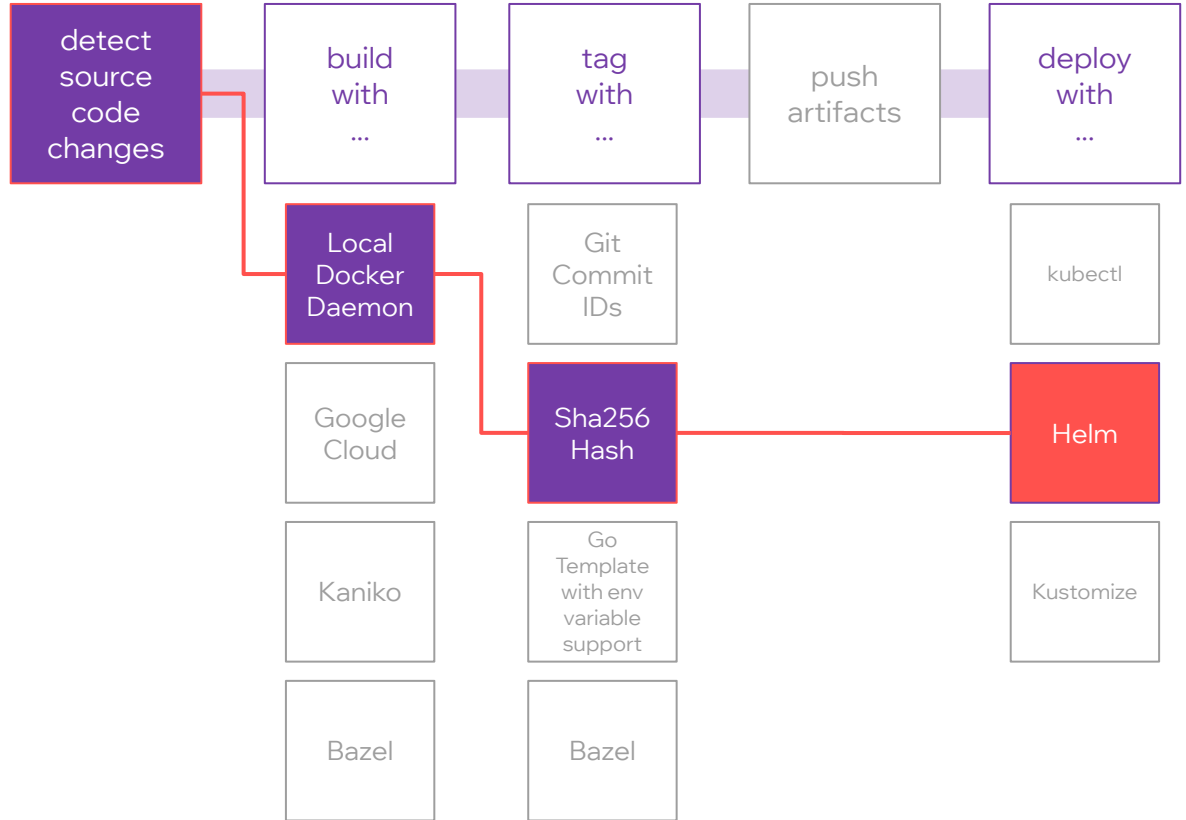


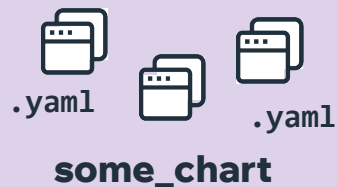
How do you handle external dependencies?



03 Skaffold with Helm as package manager

Plug What You Need.

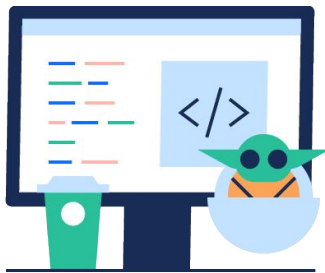




Helm
install
some_chart

Kubernetes
Cluster

Demo #2



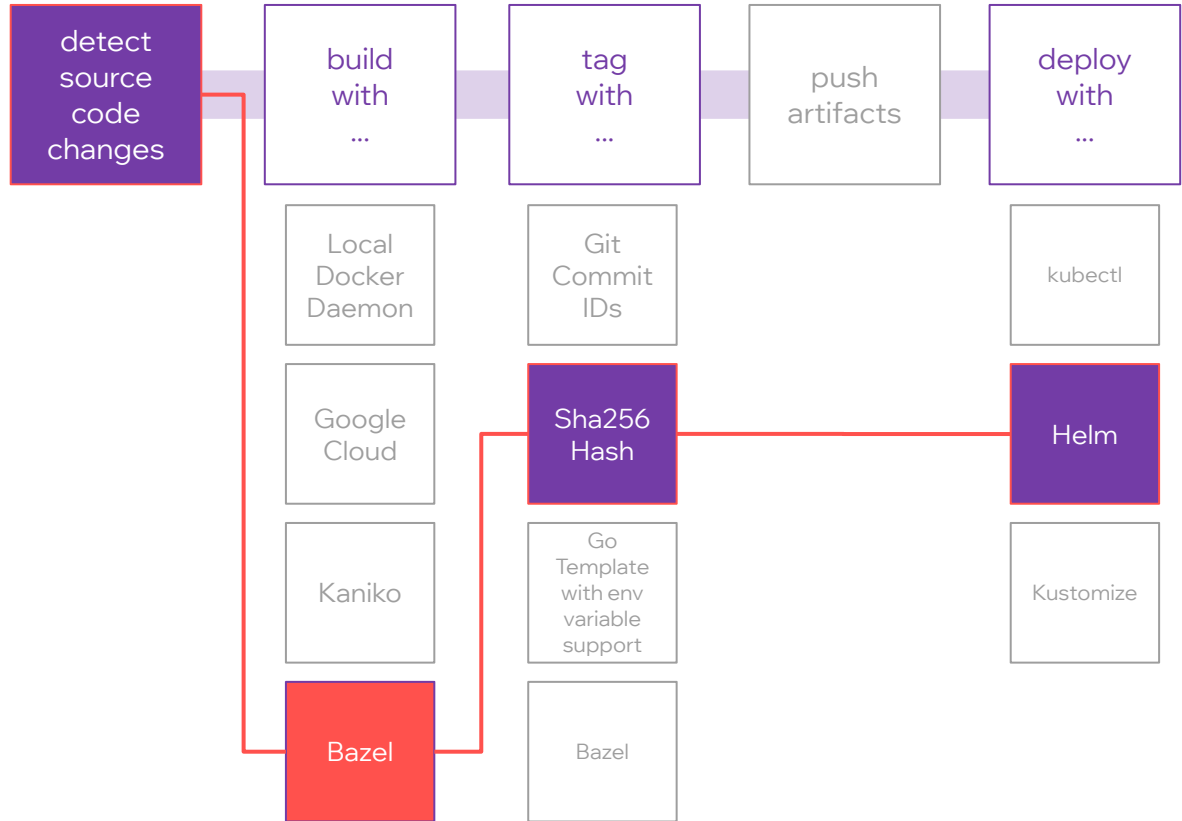
Installed

Helm

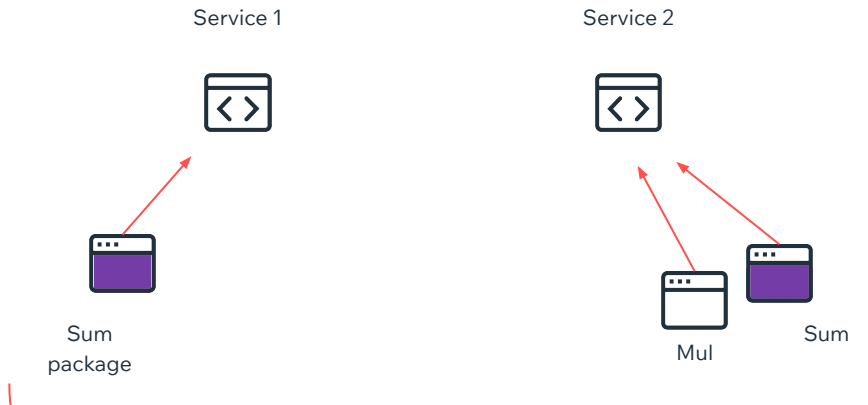
brew install helm

04 Skaffold with Bazel as build tool

Plug What You Need.

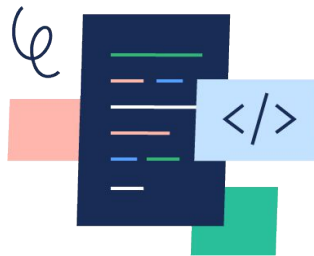


Deploys
ALL You
Need.



Bazel knows exactly what to deploy
including deps

Demo #3



Installed

1. Skaffold

Brew install skaffold

With **Skaffold**,
it feels like you're
writing code in
production.



Velocity

A good experience

Feedback loop



QA

A decorative graphic consisting of numerous thin, parallel red lines that fan out from the left side towards the right, creating a sense of motion or a stylized arrow. The lines are set against a dark blue background.

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**Thank
You!**

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