

Adopting GitOps Next Steps



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Overview



Understanding How GitOps Applies to Your Career

Selling GitOps to Your Leadership

Understanding How to Onboard GitOps on Your Next Project

Understanding Resources for GitOps



Understanding How GitOps Applies to Your Career



GitOps and Your Career

GitOps is a branch of DevOps & is growing

The demand for talent with GitOps will explode

Kubernetes is taking over the enterprise and GitOps simplifies the “ops” in Kubernetes

All the major cloud providers have a managed Kubernetes offering and some are even adding GitOps to their offering

Kubernetes is the OS for cloud and defacto for cloud native apps

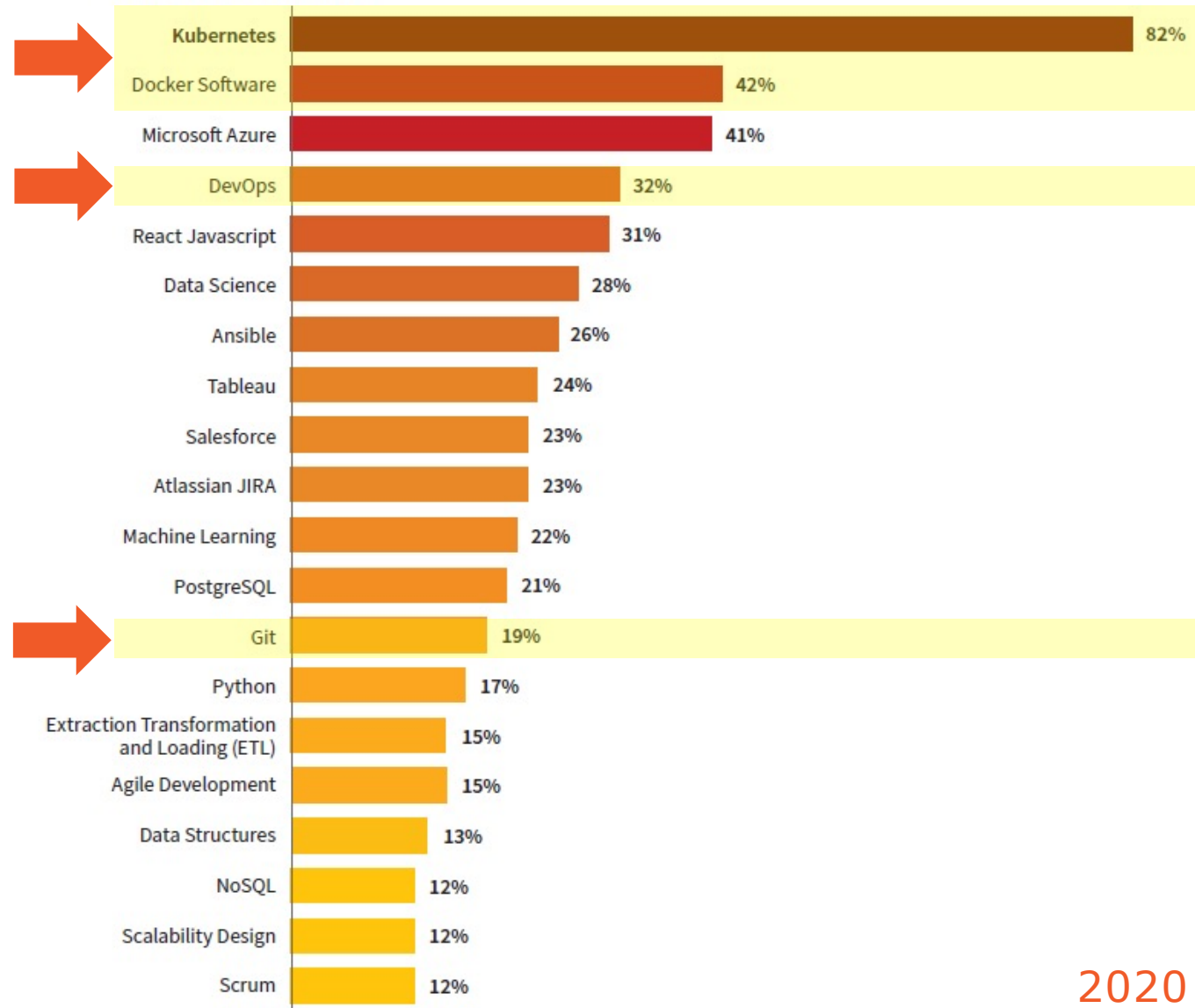
Over the past few years in tech, it has been all about containerization of apps and Kubernetes

Git is a favorite tool for DevOps & with developers owning 87.2% of the market share according to Stack Overflow 2018 reporting, Git is the heart of GitOps



Hottest Tech Skills - Dice Tech Job Report

FASTEST GROWING TECH SKILLS YEAR-OVER-YEAR GROWTH



2020



Selling GitOps to Your Leadership



Why Leadership Will Care about GitOps?



Faster Time to Market



Reduced Outages



Lower Cost of System
Ownership



GitOps Selling Points

Single source of truth ensures state of your infra in a declarative way

Source of truth

Changes go through commits, pull requests, approvals before deployed

Audit log of changes

Rollback strategy becomes easier with ability to revert a commit/pull request

Rollback

Deployment, updates, deletes all made the same way through GitOps automation

Stability

CD no longer has unrestricted access to cluster /infra.

User access determined by Git repo access & cluster access on cluster via operator

Access management

No more manual changes to cluster
Changes specified in manifests hosted in Git & enacted via operator

Easier Ops



Understanding How to Onboard GitOps on Your Next Project



Onboard GitOps

Select an
application

Decide on runtime
environment structure

(Kubernetes / Registry/
Cloud Provider etc.)

Decide tooling for
deploying runtime infra

i.e. Jenkins X, Kubestack,
Terraform

Select source
control & setup
Git repo/s

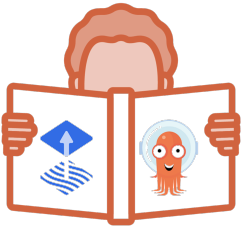
Select Operator &
Sync method



Understanding Resources for GitOps



GitOps Resources



Guide To GitOps by Weaveworks –

<https://www.weave.works/technologies/gitops>



GitOps Books –

<https://www.manning.com/books/gitops-and-kubernetes> and
<https://leanpub.com/gitops>



GitOps Working Group –

<https://github.com/gitops-working-group/gitops-working-group>



Summary



In this module we covered:

- We discussed how your career can benefit from GitOps
- We explored what are good selling points when bringing GitOps to your leadership
- We then talked about the steps for onboarding GitOps and resources for expanding on GitOps

Why this is important:?

- Before going all in on a new pattern, framework, and technology it is ideal to know what impact this will have for your career
- Once you have determined if moving forward with GitOps is for you or not the next step is to sell it to your leadership as well as the steps to onboard it

