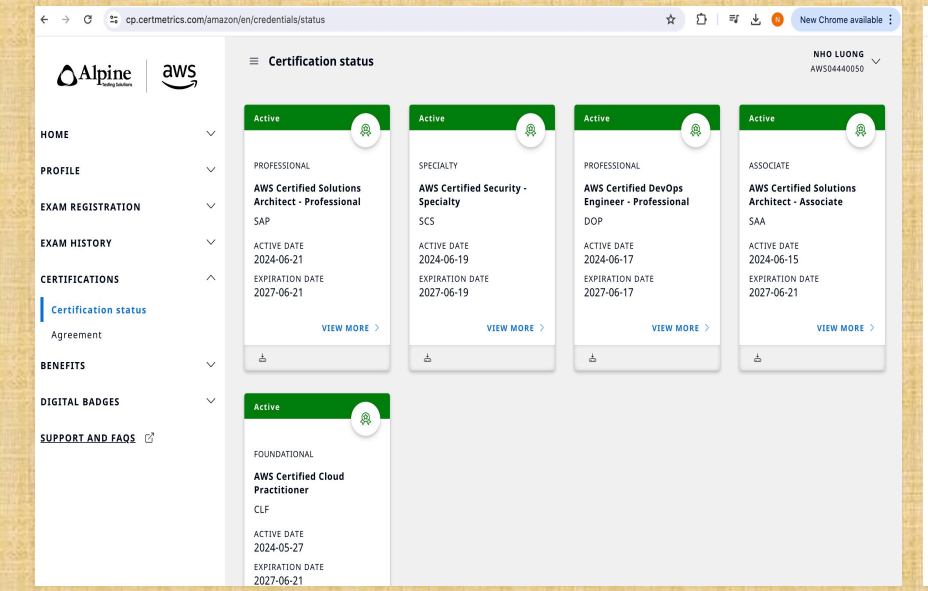
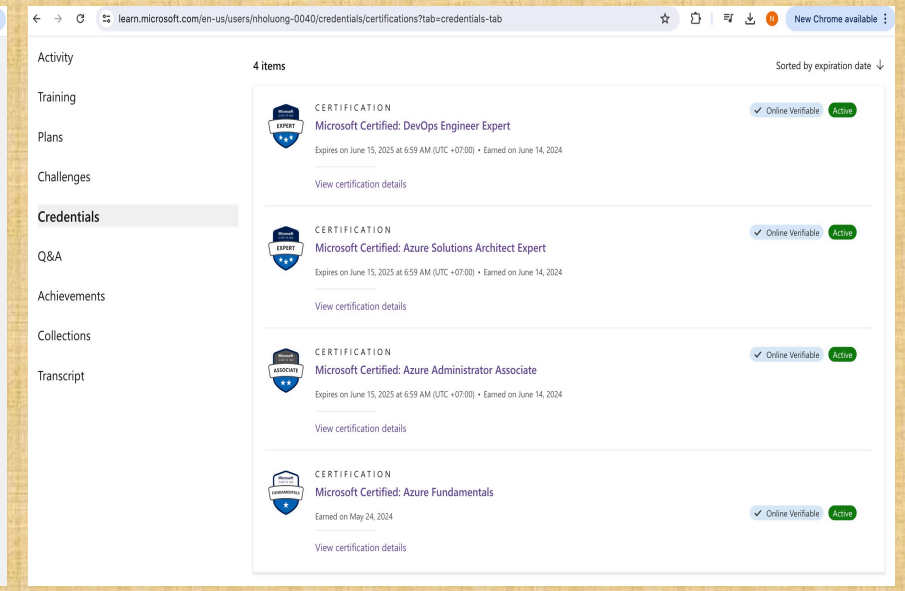
Migrating from Azure DevOps Releases to Multi-stage YAML

Author: Nho Luong

Skill: DevOps Engineer Lead

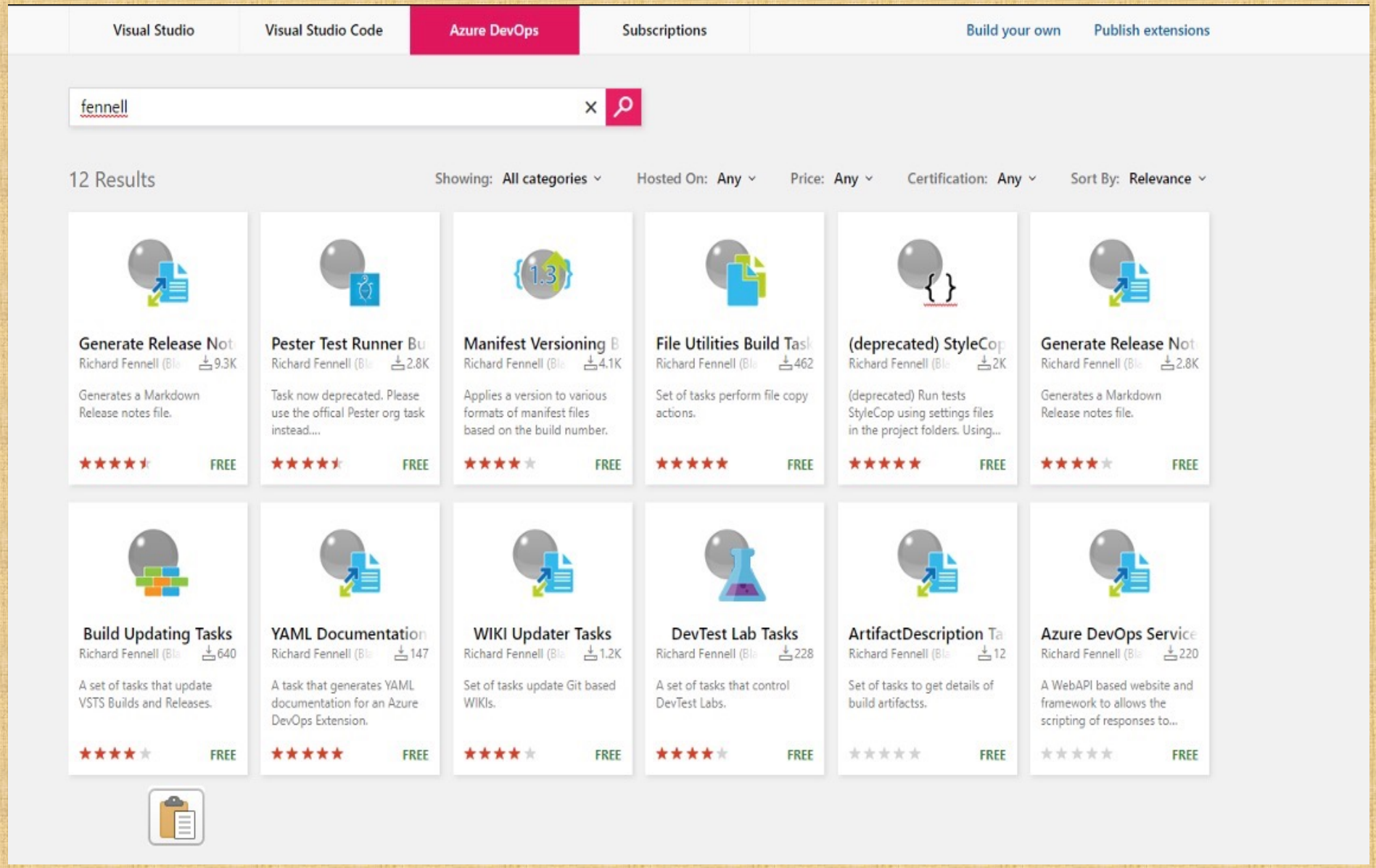




A brief history of Microsoft DevOps build solutions…

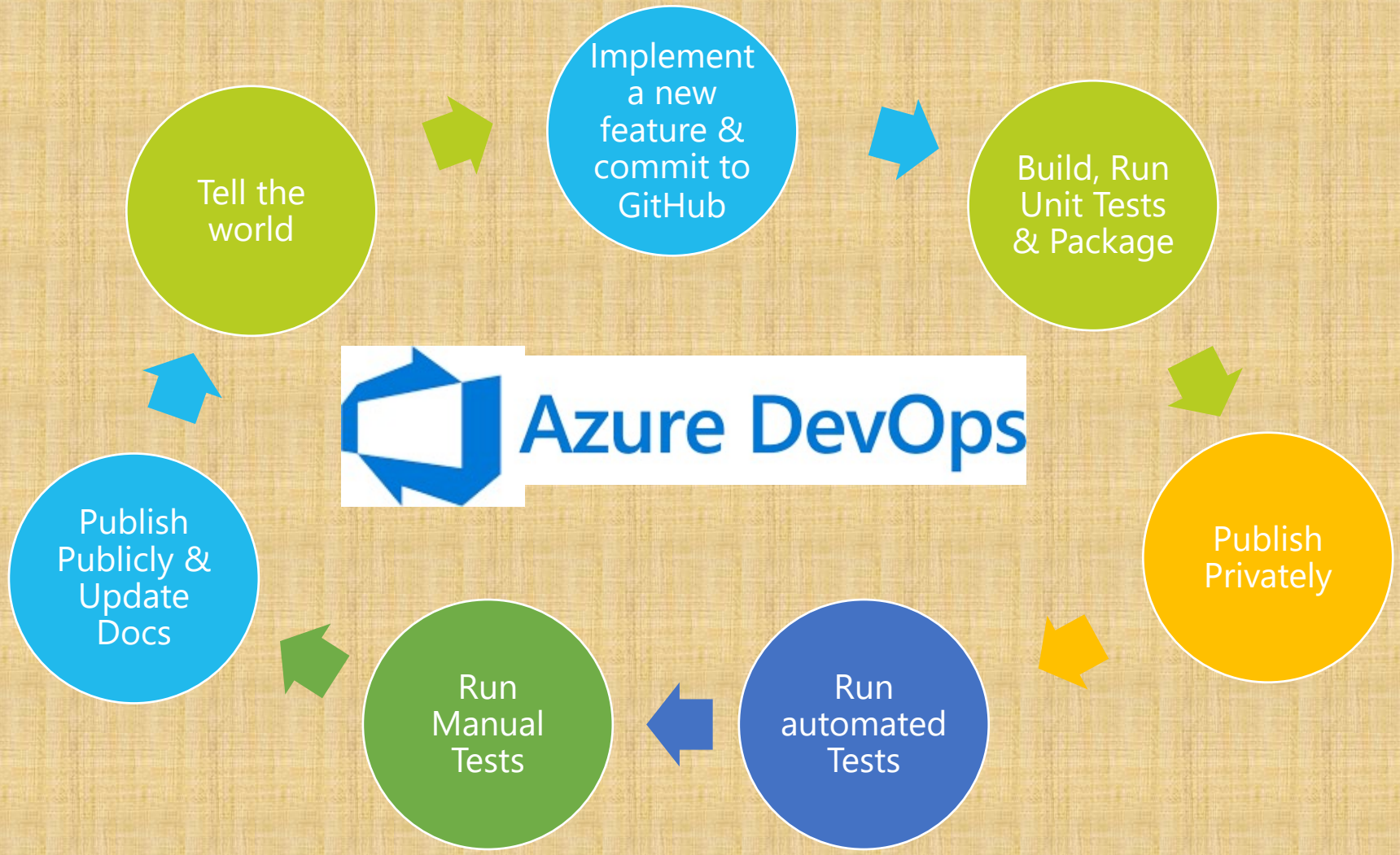
2005	2008	2010	2013	2015	2017		2020
No out the box build solution	Team Build	XAML Builds	Microsoft buy InCycle's InRelease	Cross Platform Builds	Cross Platform Release	YAML	Multi Stage YAML

Author: Nho Luong
Skill: DevOps Engineer Lead



Author: Nho Luong
Skill: DevOps Engineer Lead

What DevOps process do I need?



Author: Nho Luong
Skill: DevOps Engineer Lead

What Azure DevOps features might I use?

Previous - Build & Release

- Build (Originally UI, then YAML)
- Release
- Task Groups
- Variables & Variable Groups
- Release Gate
- Manual Approval

Going Forward - Multi Stage YAML

- Multi Stage YAML
- Multi Stage YAML
- YAML Templates & Decorators
- Variables & Variable Groups
- Environment Checks & Approvals
- Environment Checks & Approvals

Author: Nho Luong
Skill: DevOps Engineer Lead

Summary

- Multi Stage YAML appears to be the future.
- Some features are missing, but you can work around these limitations
- Key advantage is the whole CI/CD process is under source control.
- There is good reuse and enforcement via templates & decorators
- Migration is ‘fiddly’ but not hard.
- Recommend that you use Multistage YAML for new projects
- …. and maybe for old, but don’t rush to swap if what you have works

Author: Nho Luong
Skill: DevOps Engineer Lead

Thank You

Author: Nho Luong
Skill: DevOps Engineer Lead