

ORGANIZER



DEV CAFE
Connect and share

SPONSOR

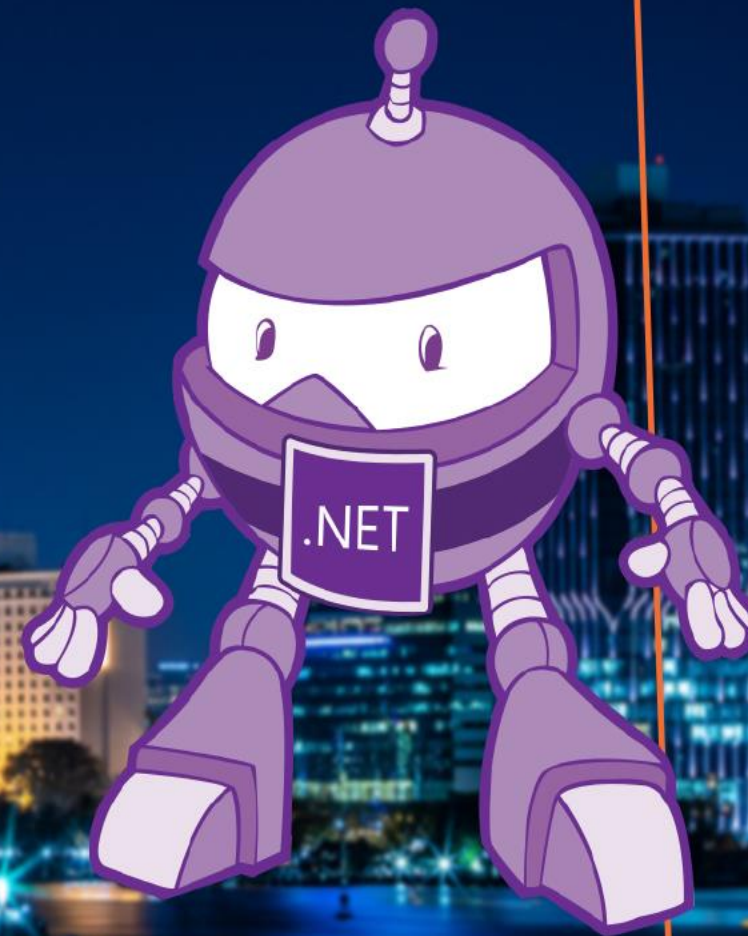


Microsoft

.NET Conf

05 OCT 2019

| Ho Chi Minh City



COMMUNITY PARTNER

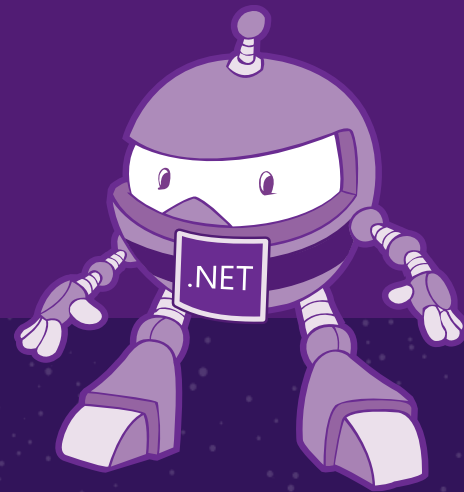


.NET

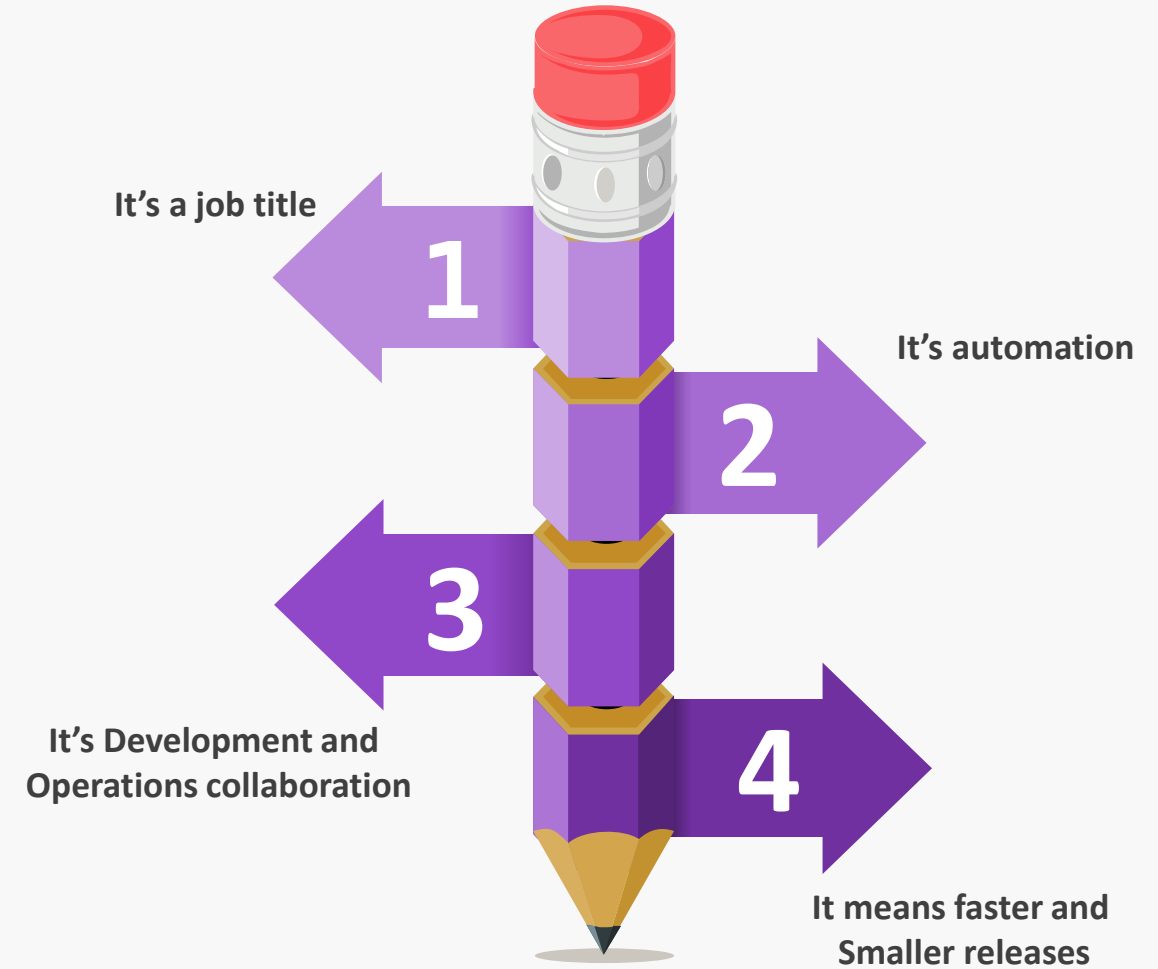
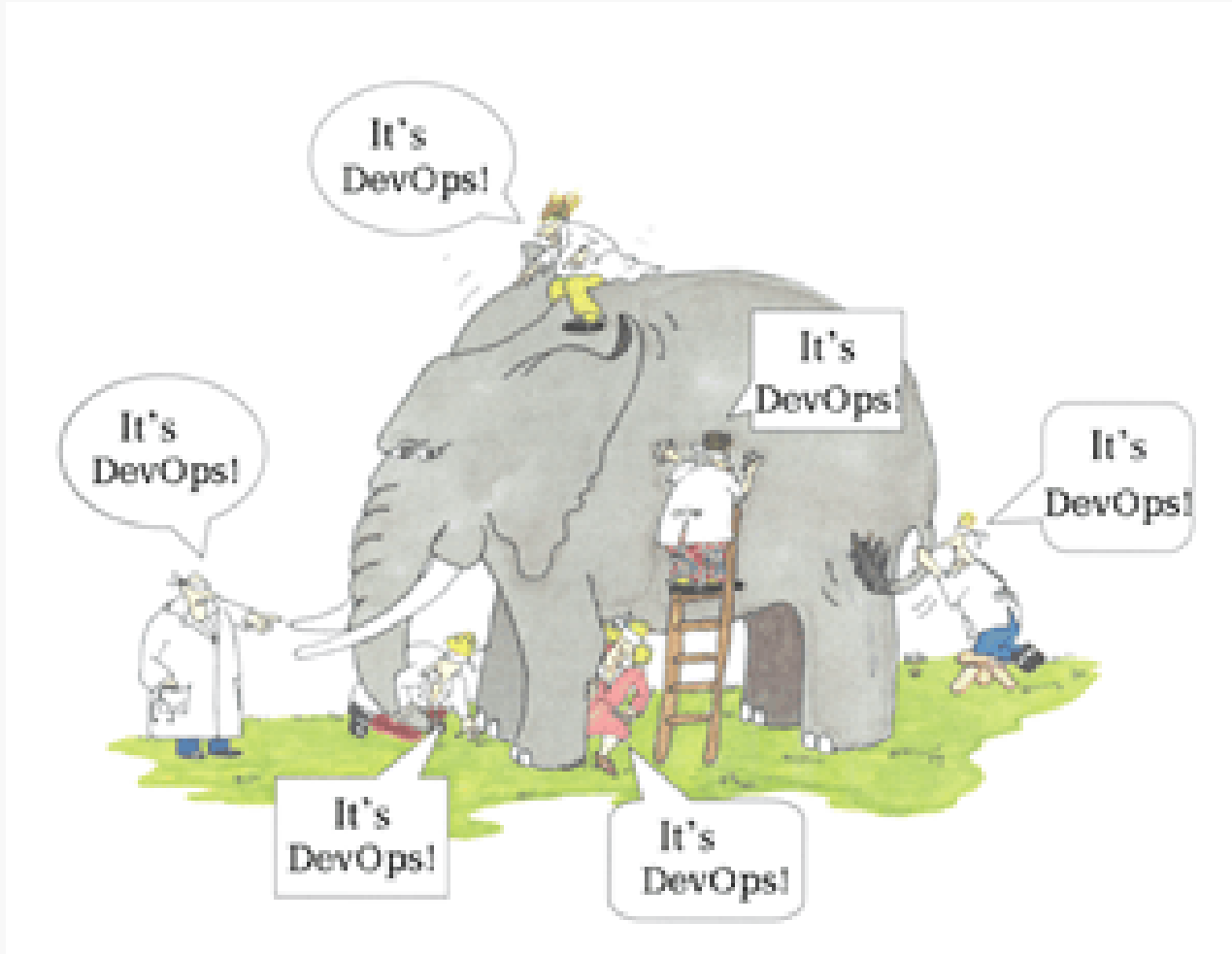
Bring your microservies to AKS with Azure pipeline

Phuong Le - .Net Engineering Manager

<https://github.com/tungphuong>



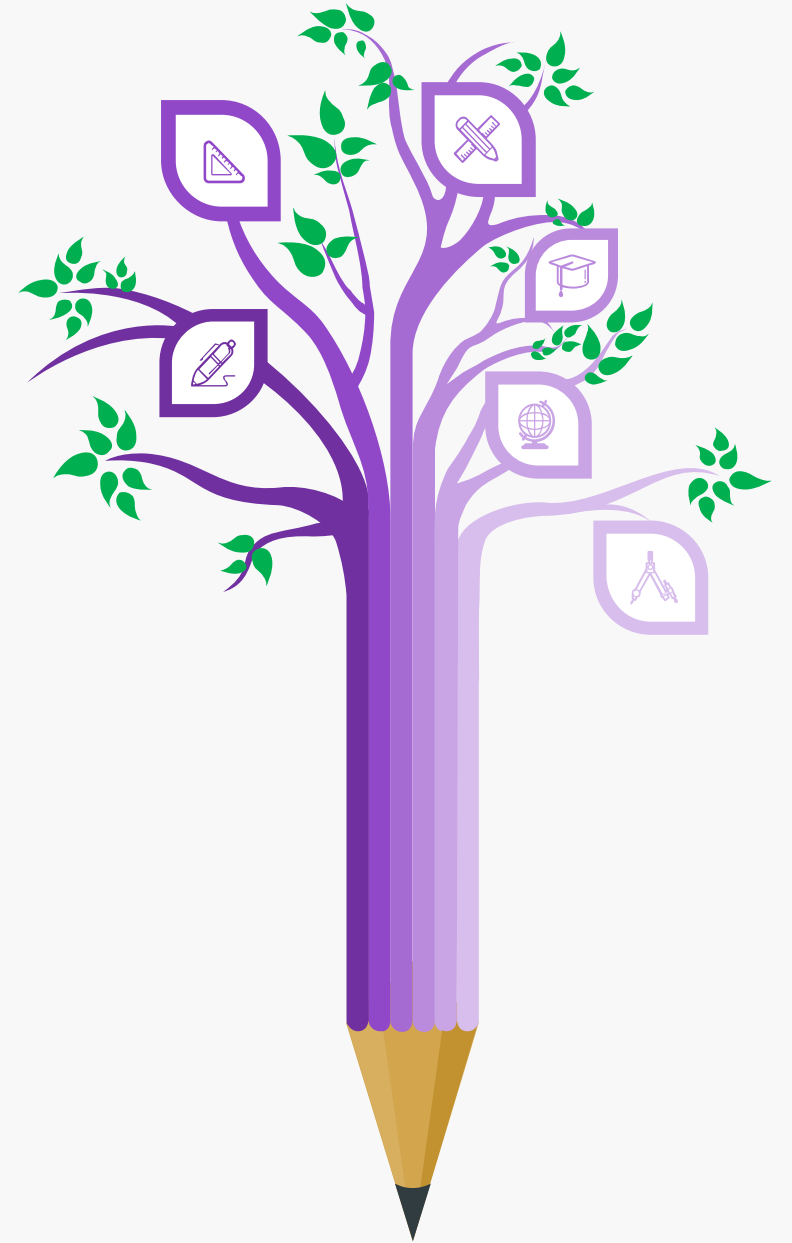
What is DevOps?



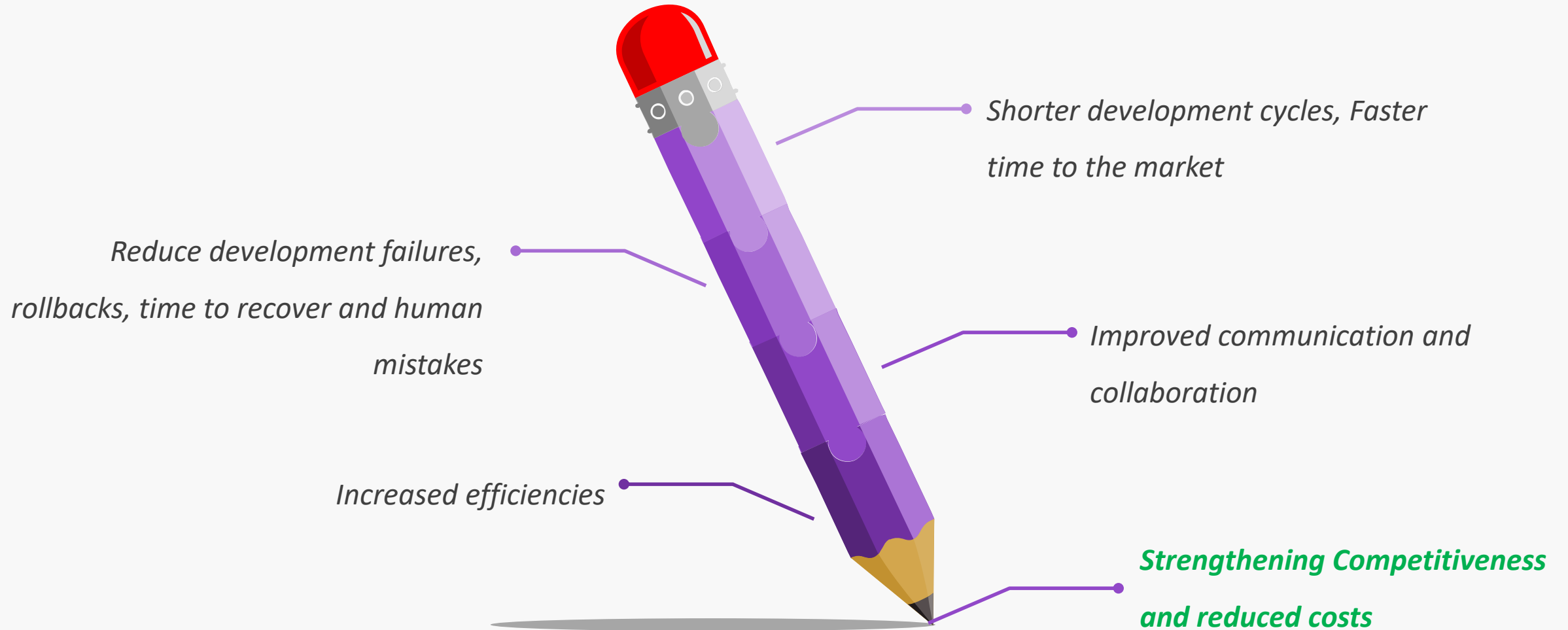
DevOps is the union of people, process, and products to enable continuous delivery of value to our end users.

DevOps is not just automation or infrastructure as code. DevOps is people following a process enabled by products to deliver value to our end users.

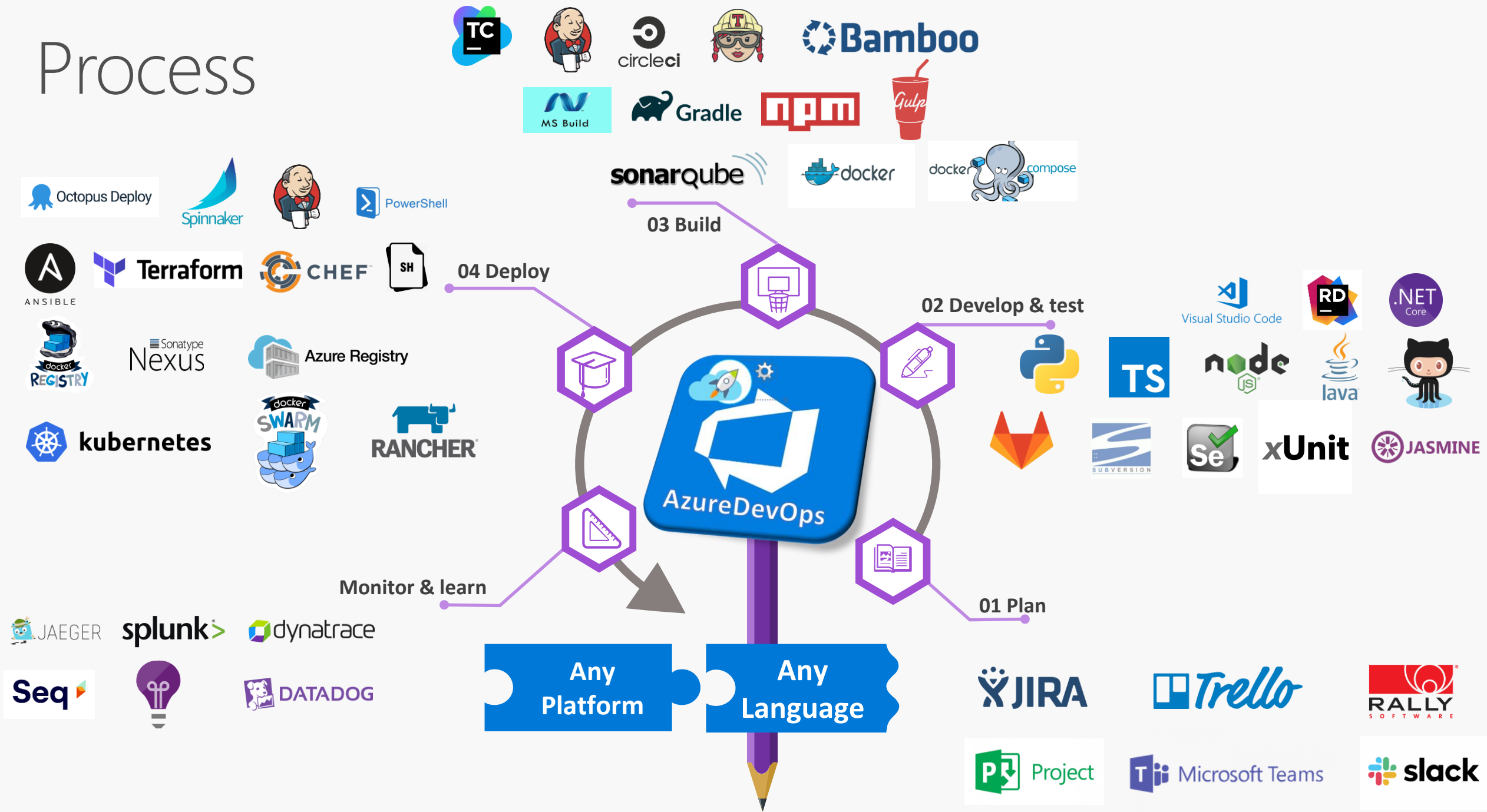
- Donovan Brown



Why is DevOps Important?



Process



Introducing Azure DevOps



Azure Boards

Deliver value to your users faster using proven agile tools to plan, track, and discuss work across your teams.



Azure Pipelines

Build, test, and deploy with CI/CD that works with any language, platform, and cloud. Connect to GitHub or any other Git provider and deploy continuously.



Azure Repos

Get unlimited, cloud-hosted private Git repos and collaborate to build better code with pull requests and advanced file management.



Azure Test Plans

Test and ship with confidence using manual and exploratory testing tools.



Azure Artifacts

Create, host, and share packages with your team, and add artifacts to your CI/CD pipelines with a single click.

Demo

.NET



1

Demo introduction

<https://github.com/tungphuong/crm>

2

Create first Pipeline

- Creating build and test task with Azure Pipeline by UI
- Running a self-host agent in Docker
- Not ready for integration test

3

Local development

The power of Docker compose

4

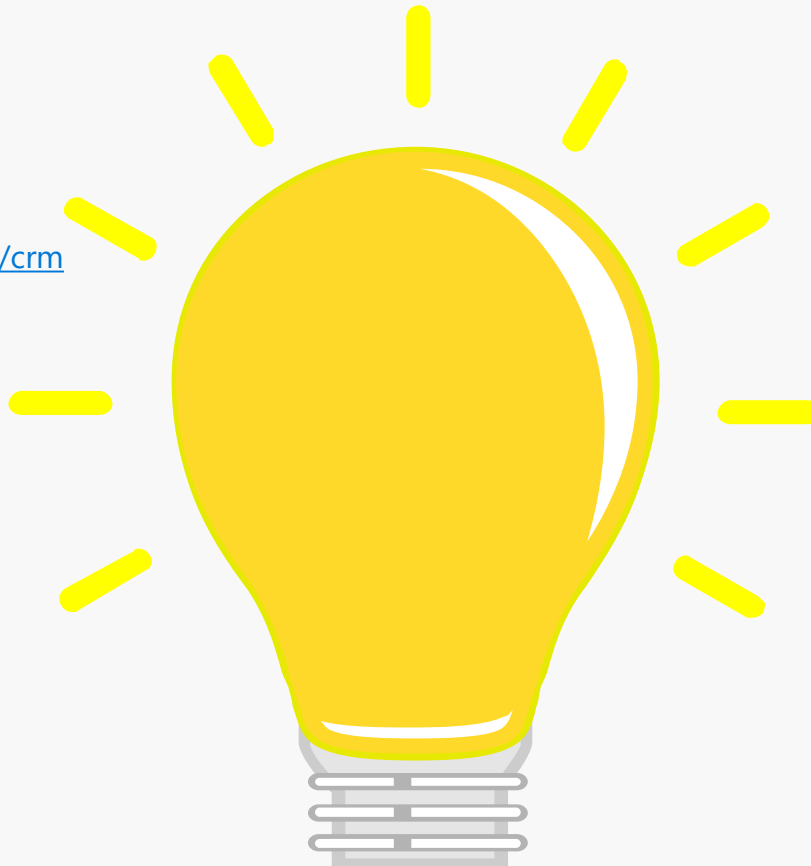
Pipeline in action

- Building and running integration test
- Reporting the code coverage result
- Building Docker image
- Working with Docker registry
- Packing the helm chart and deploy to development environment on AKS
- Running migration database

5

Monitoring

- Distributed tracing
- Monitoring AKS cluster with Octant



Thank you

