

Microsoft
Learn

STUDENT AMBASSADOR



Azure & GitHub

A DevOps Perspective

MM Salman Faris
(Microsoft Learn Student Ambassador)



DEV



OPS

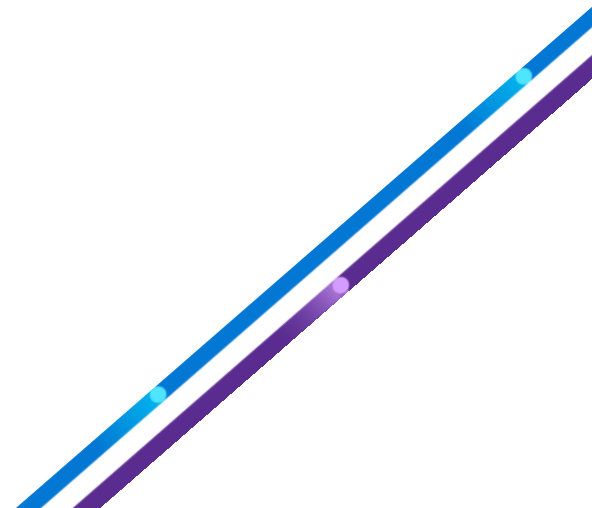


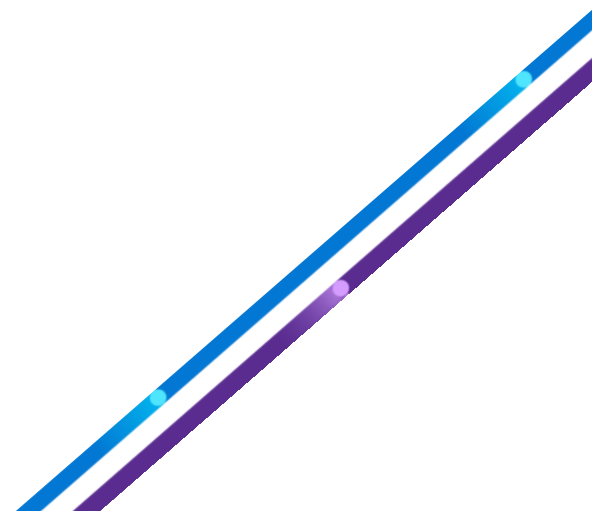
DEVOPS

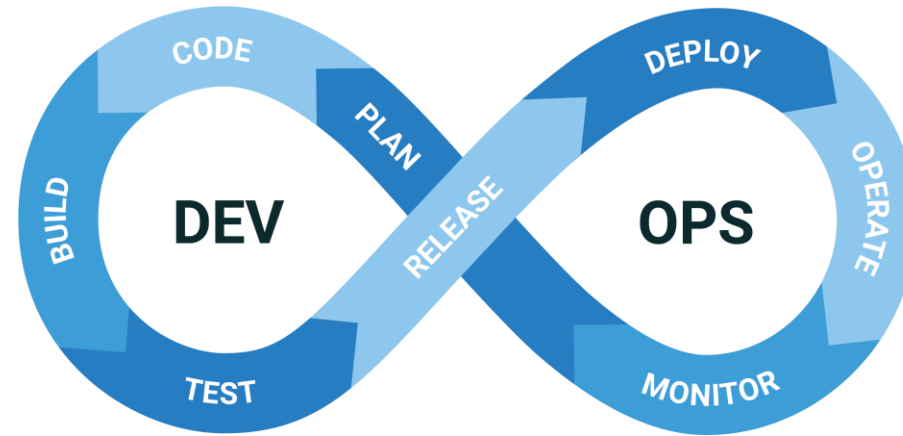


Event Agenda

1. Introduction to DevOps
2. Introduction to Git & GitHub
3. Introduction to Azure
4. GitHub Actions
5. Deploying to Azure
6. DevOps Pipeline







Introduction to DevOps

What is DevOps?

Dev + Ops = Development + Operations

Collaboration between development and IT teams

Key Principles:

CI/CD

Automation

Monitoring & Feedback

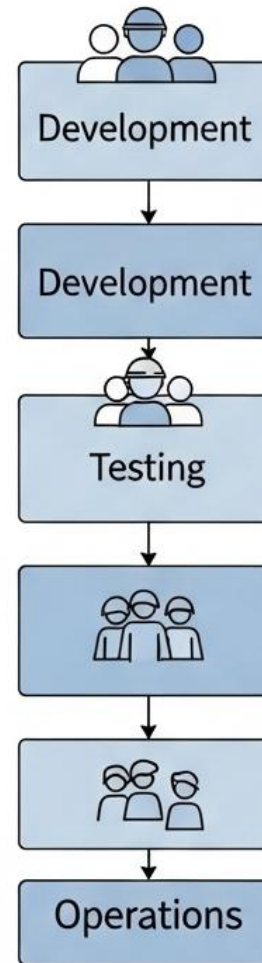
Benefits:

Faster delivery

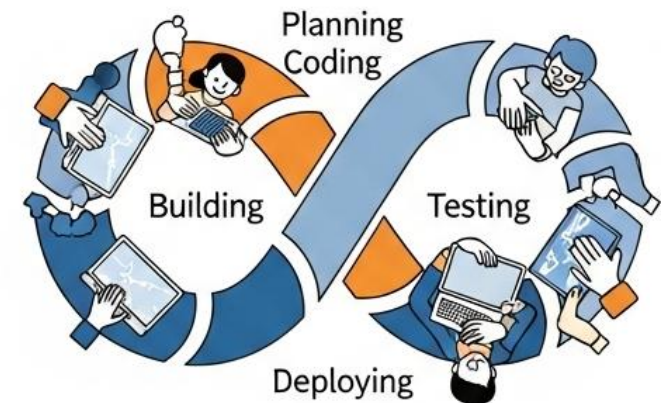
Reliable systems

Shorter development cycles

Before DevOps



After DevOps



Introduction to GitHub

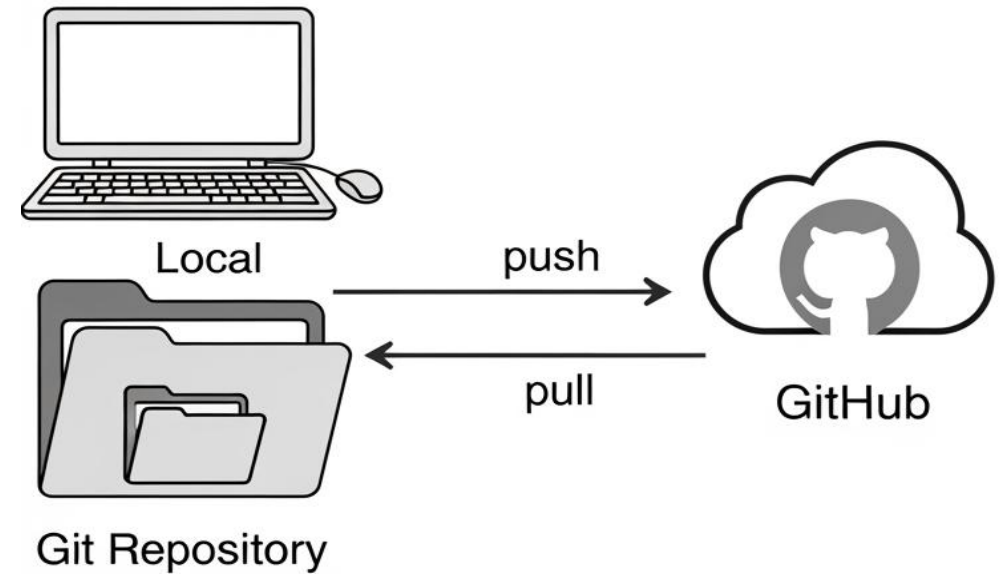


Git Basics

- Version control: track changes in source code
- Common commands: git init, add, commit, push, pull

GitHub Overview

- Cloud-based Git repository hosting
- Collaboration features (Pull Requests, Issues)





Introduction to Azure



What is Azure?

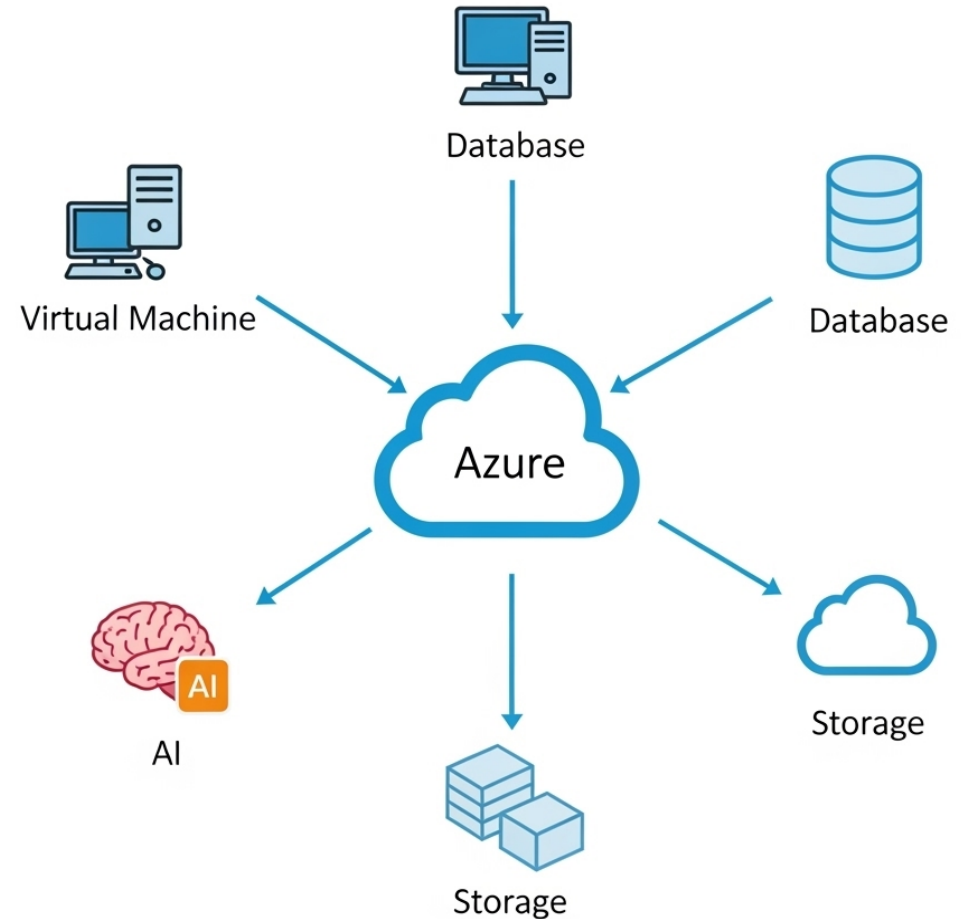
- Microsoft's cloud computing platform
- Offers IaaS, PaaS, SaaS

Core Services:

- Azure App Services
- Azure DevOps
- Azure Repos, Pipelines

Why Azure in DevOps?

- Integrated tools for CI/CD
- Easy deployment and scalability





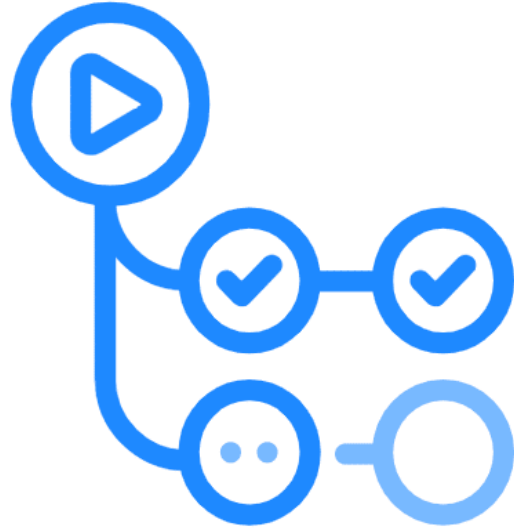
Designed for work

Canva Premium for All

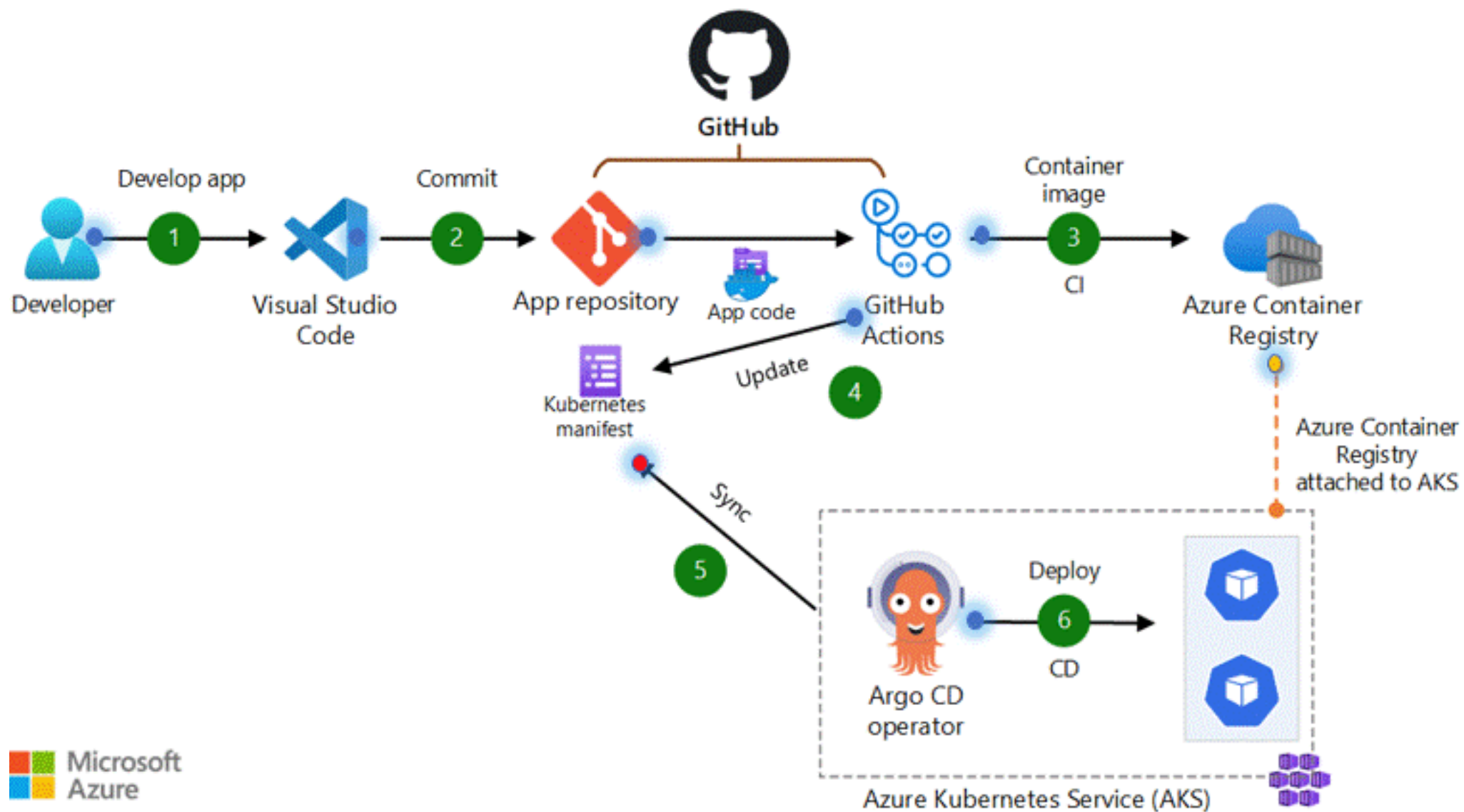
Take advantage of this opportunity to level up your design skills for your daily tasks. Fill out the form to get it for free.

[Request Access](#)

[Share](#)



GitHub Actions & Pipeline





**Hey, The Pipeline is Broken.
I will come and fix it**

@paper_ittta_techie



@paper_ittta_techie

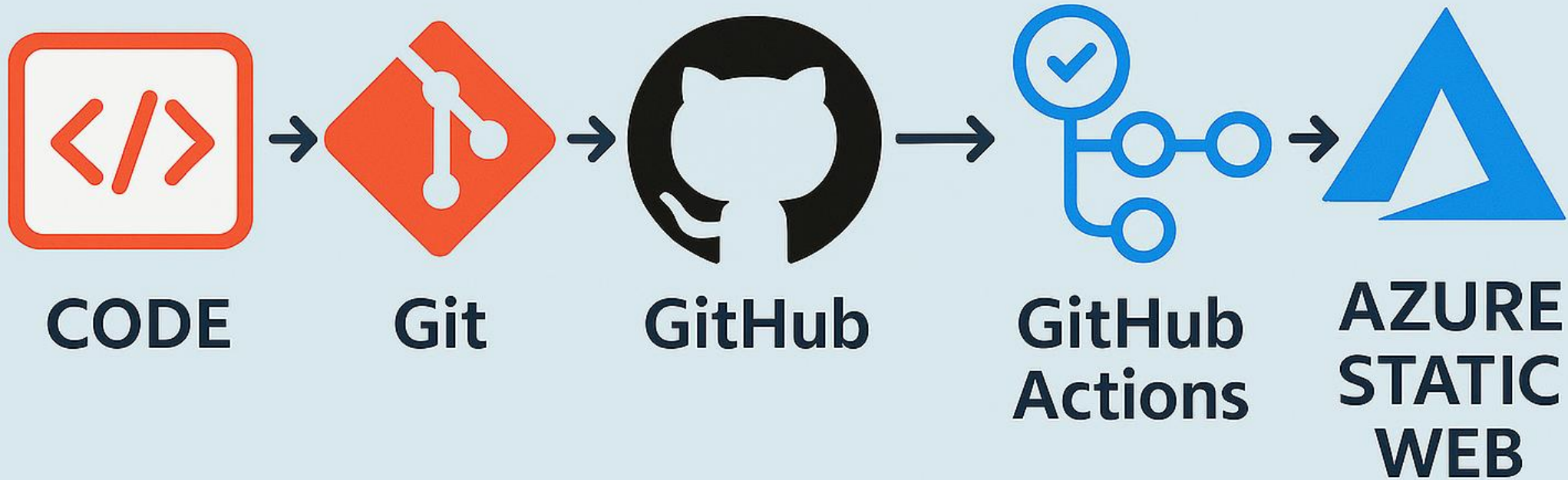
Are you a Plumber?



No. DevOps Engineer



WORKFLOW



Microsoft Learn
Student Ambassadors

Thank You

