

Unite Seoul 2020

Unity 게임 개발환경에 DevOps를 적용하기

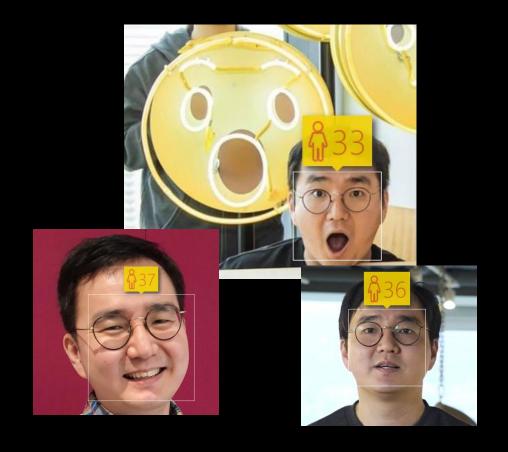
- Demo with GitHub Actions-

최영락 | 한국마이크로소프트 Azure 사업부 매니저 | December 2020



Ian Choi Developer Product Marketing Manager (a.k.a. Field Developer Relations) at Microsoft



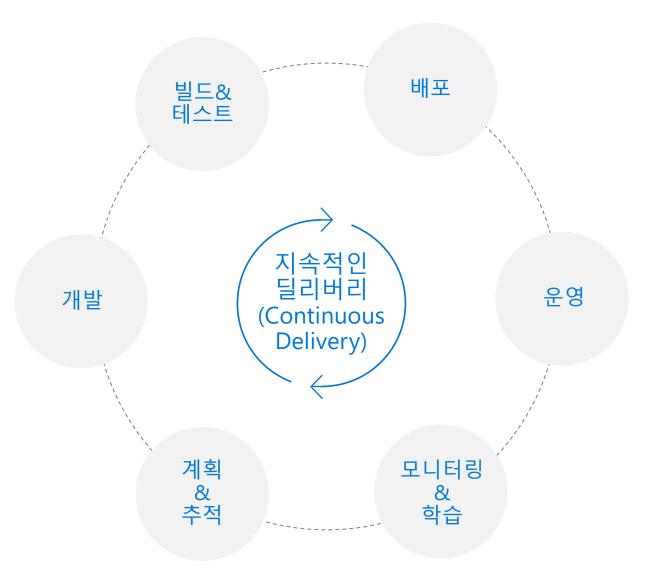


DevOps란 무엇일까요?

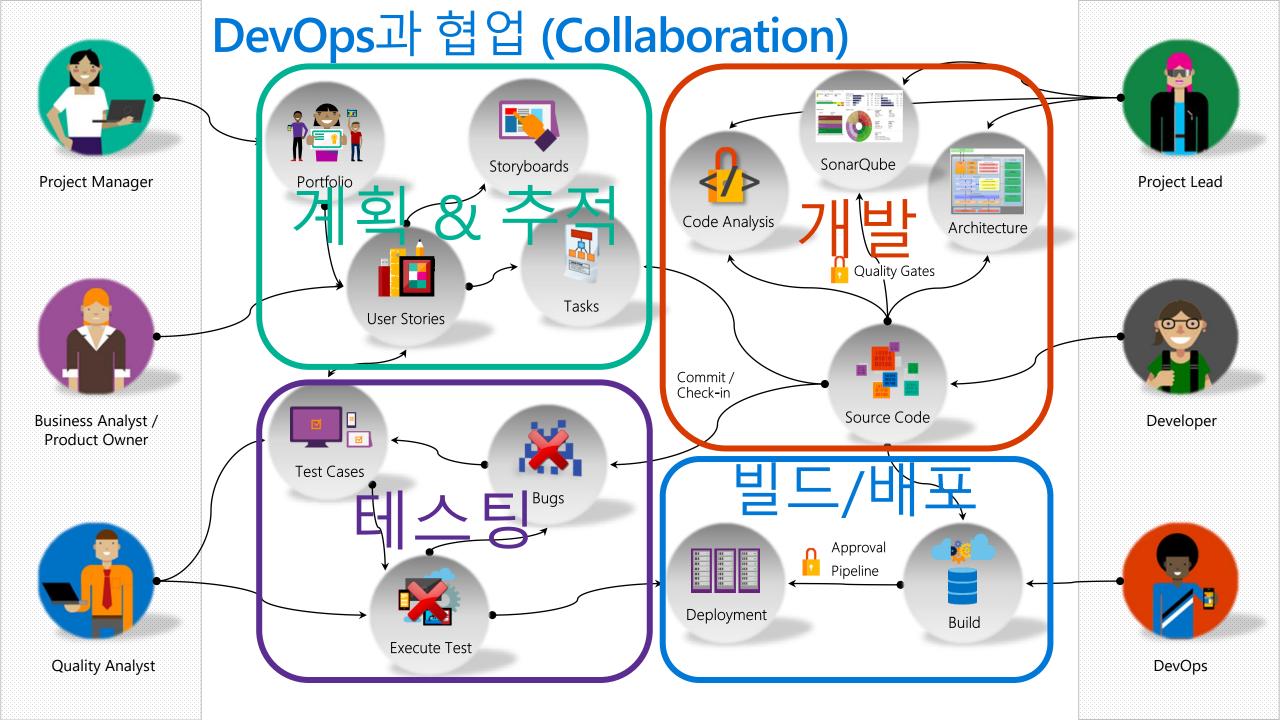
사람. 프로세스. 제품.

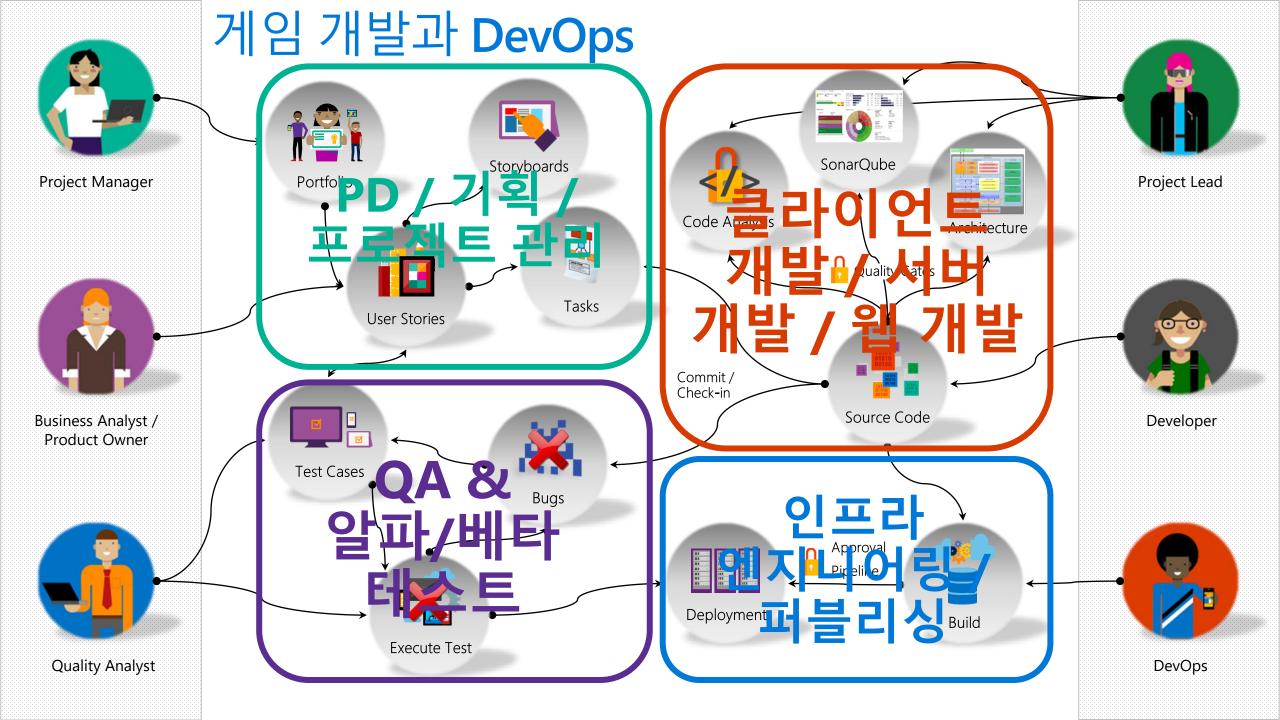
DevOps는 사람, 프로세스, 제품이 함께 결합하여 최종 고객에게 가치를 지속적으로 전달하게 해 줍니다.

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



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Project Manager



Business Analyst / Product Owner



Quality Analyst

DevOps with Microsoft & GitHub

Plan & Track















Project Lead



Developer

Manual Testing



Build/Deploy

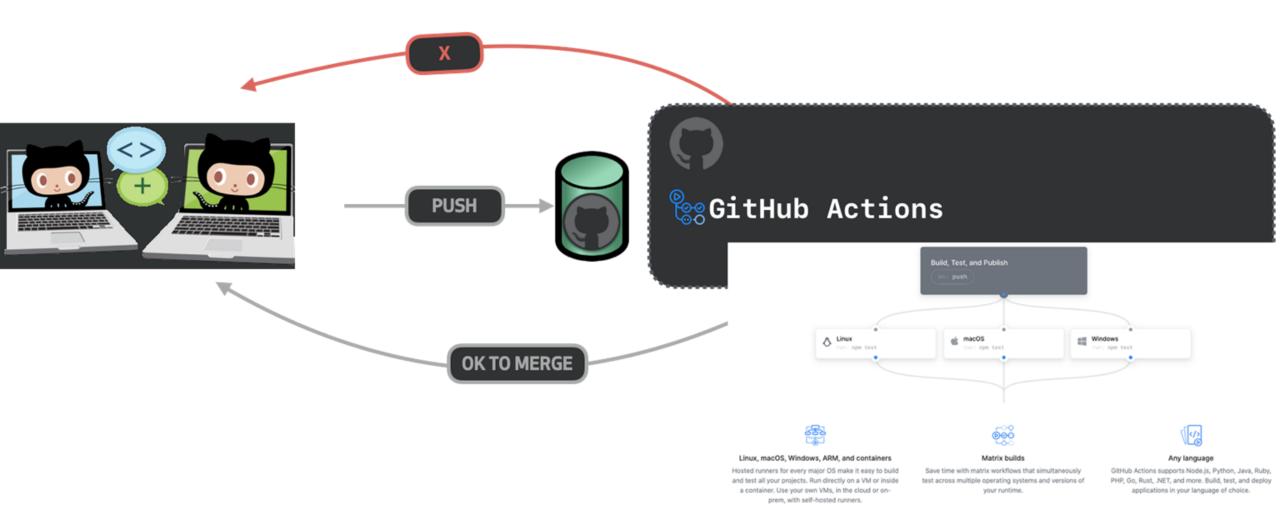


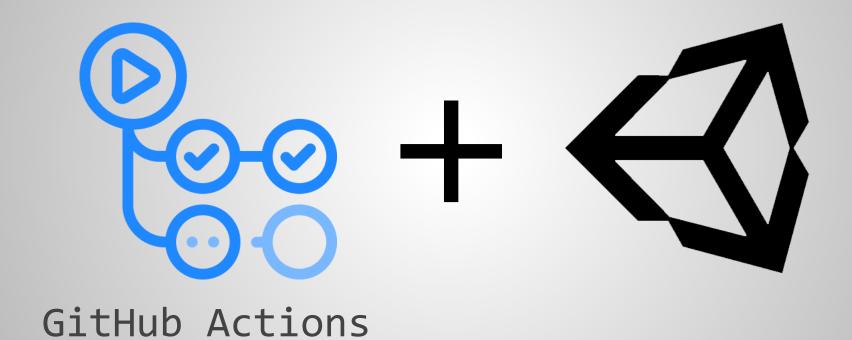


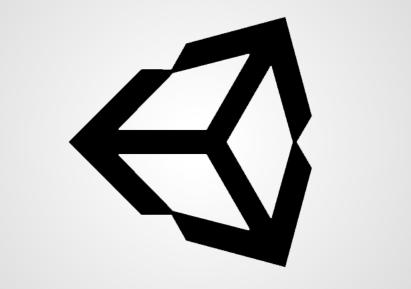


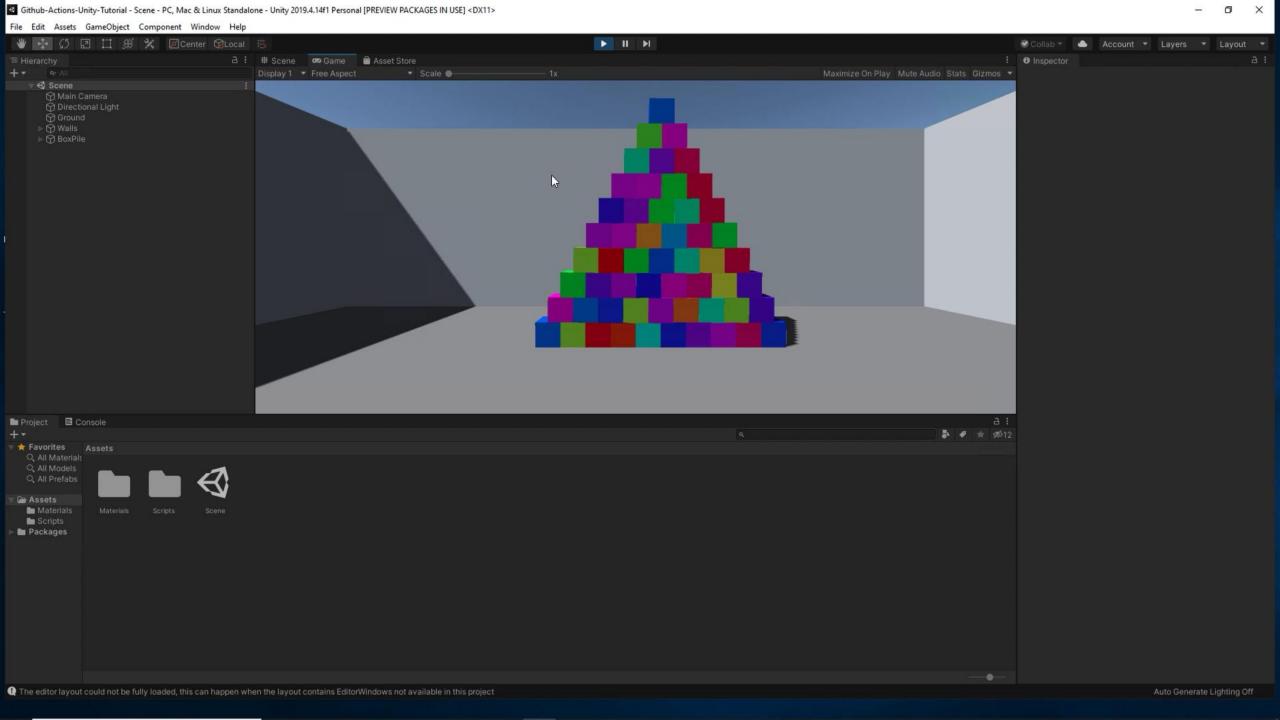
DevOps

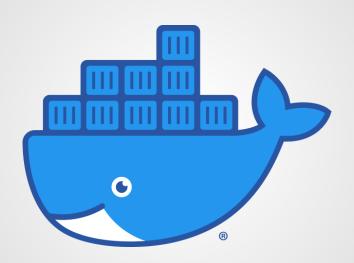
GitHub Actions: CI/CD 기능을 바로 GitHub에서!

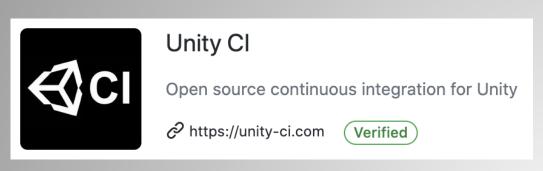




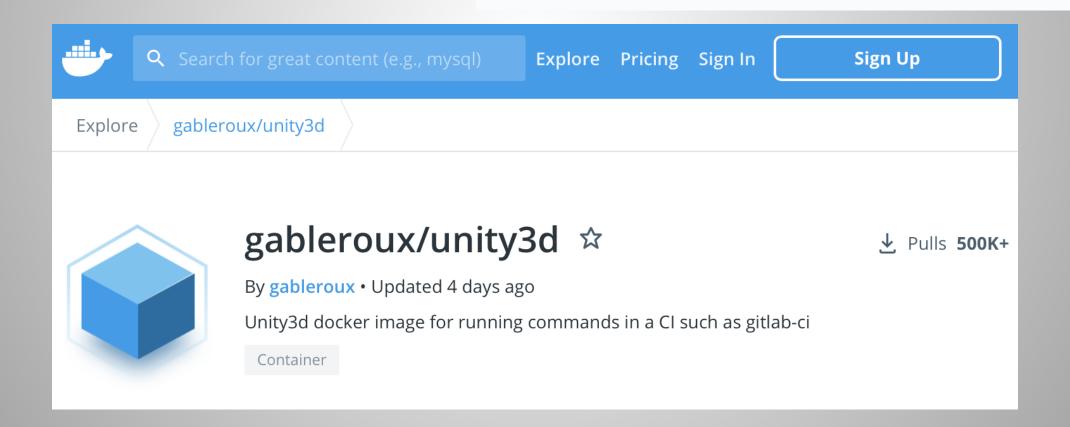












데모 환경

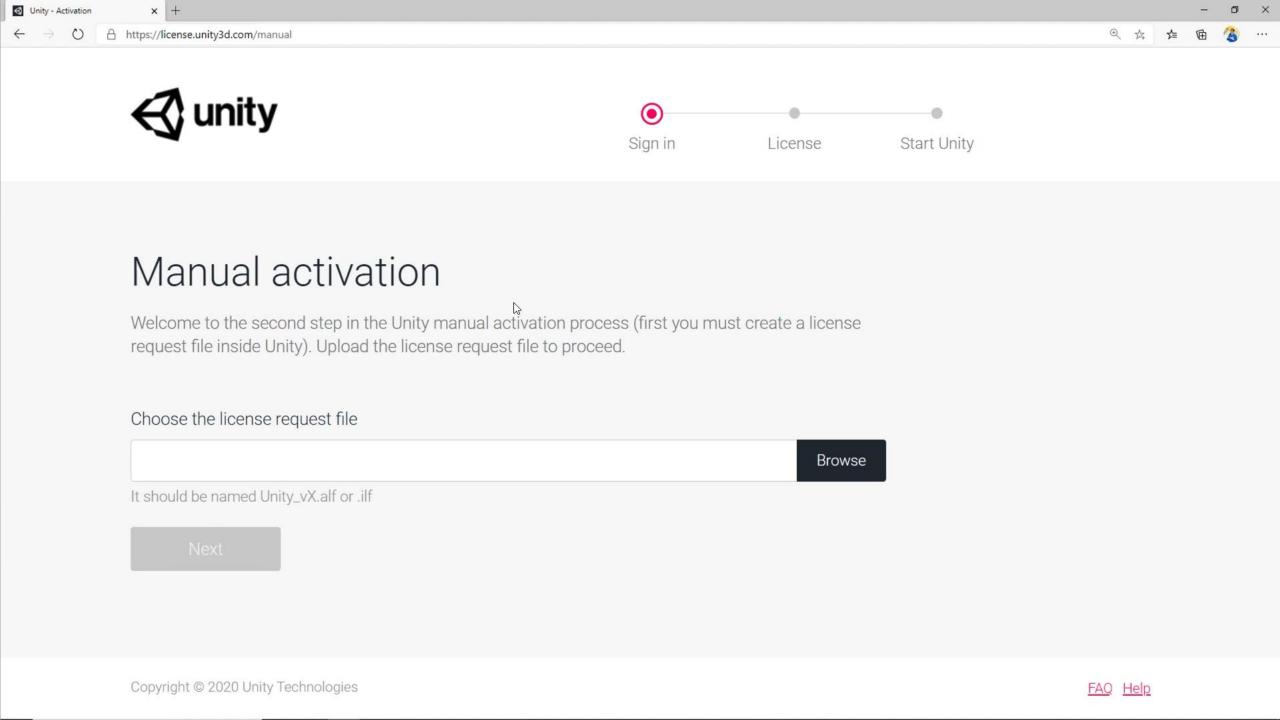
- Unity 버전: 2019.4.14f1
- Docker 이미지 실행해 보기
- Unity 명령어로 라이선스 파일 추출 & 등록
- 라이선스 정보를 GitHub Secret으로 등록하기
- GitHub Actions로 Windows와 macOS 빌드를 한 번에 수행
- 빌드가 이루어진 Output 다운로드 & 테스트

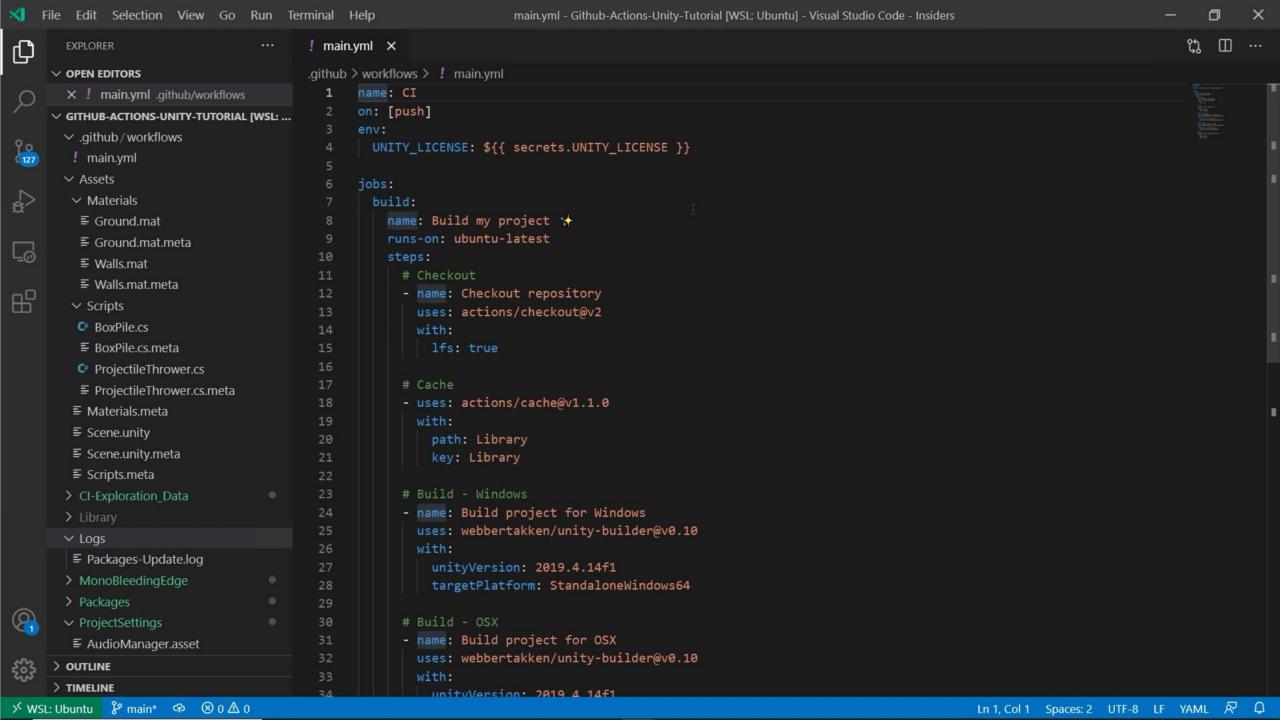


📫 ian — root@4953e5891b0b: / — -zsh — 9

(base) yechoi@Ians-MacBook-Pro ~ % docker run -it gableroux/unity3d:2019.4.14f1







참고: Unity와 DevOps: CI/CD

	unity CLOUD BUILD	€CI
설명	Unity teams에 포함된 기능으로, CI에 대한 자동화를 지원	오픈 소스로, 컨테이너로 패키징된 Docker 이미지를 기반으로 GitHub Actions 등을 활용한 CI 구성 가능
문서	Unity Cloud Build is part of Unity teams 2 and provides continuous integration services for Unity projects. It helps you save time by automating the process of creating builds on Unity's servers. This automatic process frees your team and your team's computers from the time-consuming process of making builds. It helps you catch problems sooner, share builds with your collaborators, and iterate versions of your development more rapidly.	Welcome to Unity CI ✓ Unity CI ↑ This site will host documentation for open source Unity CI projects. Follow the development on GitHub G GitHub ✓ Join the discussion on SISCORD
지원 저장소	Unity Collaborate, Plastic SCM, Git, Apache Subversion (SVN), Mercurial, Perforce	GitHub, GitLab, Travis CI에서 지원하는 모든 저장소 지원
장점	Unity 자체 지원을 통한 손쉬운 CI 구성	서버/웹 개발 파트와 동일하게 CI 구성 + DevOps 환경과 통합된 환경 제공



Thank you!

