

# DevOps & QA Engineer

## The Guardians of Smooth Deployment



### What Do QA Engineers Do?

- Test apps before release
- Simulating users interaction
- Write manual and automated tests
- Report problems to the development team

**Main goal:** Catch problems early and ensure high quality



### What Do DevOps Engineers Do

CICD pipelines do

- Test new code automatically
- Deploy updates quickly and safely

Manage cloud infrastructure

- Monitoring tools
  - Automation platforms
- (Jenkins, Docker, Github Actions)



### Why DevOps & QA Matter in the AI Era

As more apps use AI, errors can have serious consequences

- AI chatbot give false info because of a bug?
- Recommendation system doesn't update properly

### Job Outlook and Future Skills

- Familiarity with AI model testing
- Experience with cloud platforms(AWS, Azure, GCP)
- Knowledge of cybersecurity and infrastructure-as-code