Exploring a DevOps Transformation Like a Tester
Hello!

I am Parveen Khan
Senior Test Engineer at Scott Logic
You can find me at @Parveen_Khan10
As a tester, how do you adapt when a new technology or process is introduced within your team?
Do you research?
Do you accept it as a challenge?
Do you reach out community?
Transitioned from waterfall to agile
"We took baby steps"
Introduction to the world of pipelines!
Why ‘Scary’?
Explore
Why Devops?
Why DevOps?

Monolithic/Layered vs. Micro Services
Need for speed
It was a new buzzword
What is DevOps?
DevOps is a term used to refer to a set of practices that emphasizes the collaboration and communication of both software developers and other information-technology (IT) professionals while automating the process of software delivery and infrastructure changes.

Wikipedia
What is Continuous Integration?
Continuous Integration is a software development practice where members of a team integrate their work frequently; usually, each person integrates at least daily… Each integration is verified by an automated build… to detect integration errors as quickly as possible.

Martin Fowler
And next questions followed...
Let's

UNCOVER THE FACTS

Together...
Let's visualise!!
Next questions...
COMMIT TO BITBUCKET

SONAR QUBE

STATIC CODE ANALYSIS

UNIT TESTING

REPORTS GENERATED

PASS

FAIL

BUILD CREATED

PREF-DEPLOY PIPELINE
POST-DEPLOY PIPELINE

INTEGRATION TEST
API TESTS
CONTRACT DRIVEN TESTS
SMOKE TESTS
PASS
FAIL
BACK TO DEV TO FIX
READY TO BE DEPLOYED ON QA
Explored pre deploy pipeline
CONTRACT DRIVEN TESTS

INTEGRATION TEST

API TESTS

SMOKE TESTS
CI PIPELINE

1. Commit to Bitbucket
2. SonarQube
3. Static code analysis
4. Unit tests
5. Integration tests
6. Contract driven tests
7. API tests
8. Mini regression
9. Build ready
Nightly Build
Journey!
Key Takeaways
"It’s ok to feel scared"
"Visualise those pipelines. It helps."
“It’s ok to not know everything.”
“Question
Question
Question
Question
“Explore!”
"Trust and Collaboration"
Useful Resources

The Whole Team Approach to Continuous Testing - TAU

Testing in devops - Katrina Clokie

Testing in devops blogs - Lisa Crispin

Continuous Delivery - Jez Humble

Continuous Delivery - Martin Fowler
Thanks!

Any questions?
You can find me at
@parveen_khan10
parveensultanauk@gmail.com