34th Central European Conference on Information and Intelligent Systems

PROJECT SECTION
PITCHES

PROJECT NAME:

μDevOps Project: Microservice Development Operations

INSTITUTION:

University of Alcalá, Spain

PRESENTER:

Daniel Rodriguez

20 - 22 September, 2023 / organized by Faculty of Organization and Informatics / Dubrovnik, Croatia

CECIIS

μDevOps: Microservice Development Operations

Research for quality
A network for pushing SQA in Microservice-DevOps
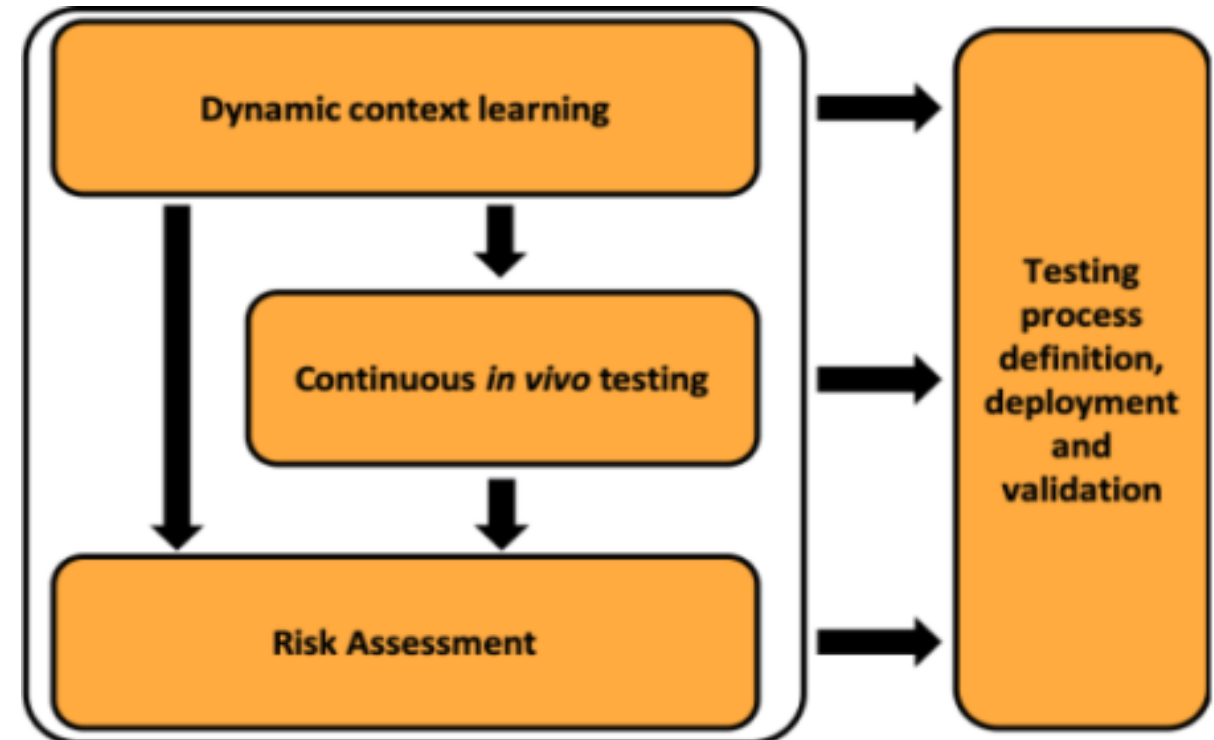
Testing is the key
For a context-driven, in-vivo and risk-based assessment
for uDevOps paradigms

A mindset shift
To place testing as cornerstone between Dev and Ops

uDevOps focuses on SQA for μDevOps in
- Context Learning via AI/ML
- Continuous in vivo testing
   for service-based software in agile/DevOps
- Risk assessment

34th **C**entral **E**uropean **C**onference on **I**nformation and **I**ntelligent **S**ystems

20 - 22 September, 2023 / organized by Faculty of Organization and Informatics / Dubrovnik, Croatia

- On the **CYBER RANGES** app
- Design enhancement based on guidelines
  - Allowing better user experience, Reducing server workload
- Design validation based on user behaviour
  - Analysis in the long term, Not invasive
  - Not affecting service performance, AI
- Just-in-Time Defect Prediction (JIT-DP)

Contact:
daniel.rodriguezg@uah.es
Josem.gutierrez@uah.es

(2) Feature extraction   (4) Building a prediction model   Instance

Software Archives   Instances   Metrics   Training Instances   Prediction Model   Classification