



TOKYO TEST FEST

**Maximum quality with
Minimum testers**

Tokyo Test Fest 2024
Martijn Goossens



Xebia



Martijn Goossens



39

Rotations around the sun



NL

The Netherlands



Music

Was my first love



17

Years in Agile



19

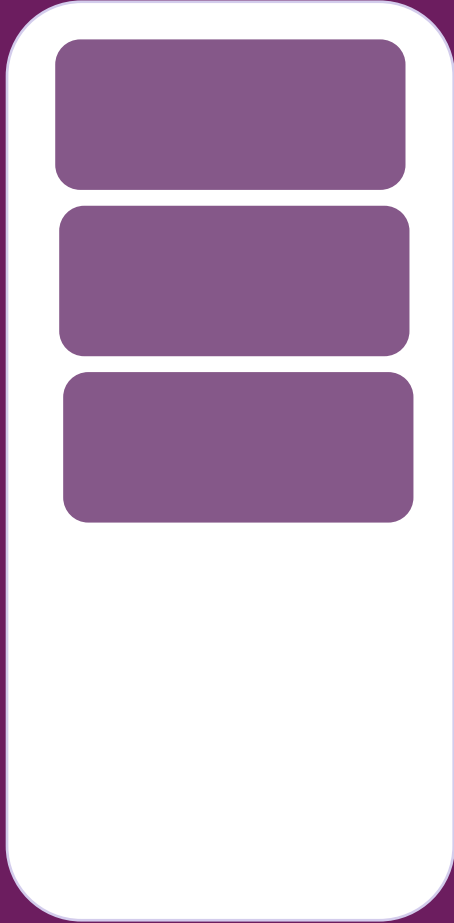
Years in QA



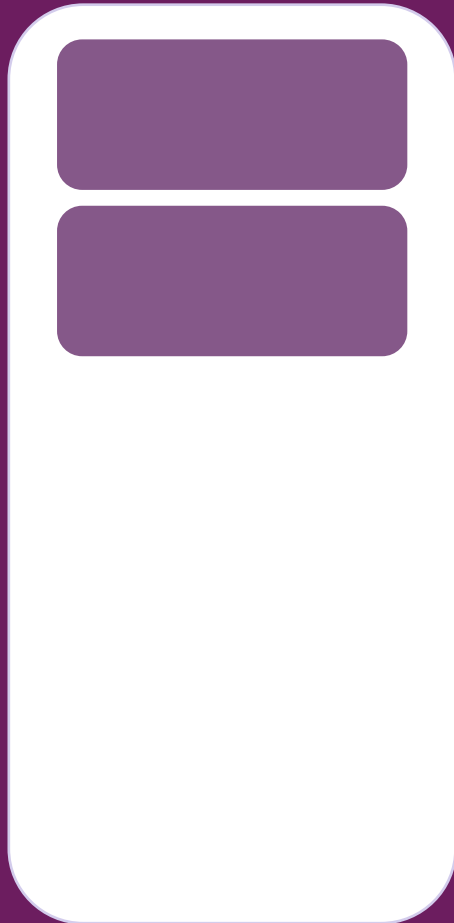
eCom

Specialist in field

Backlog



In Progress



Code Review



QA / Test



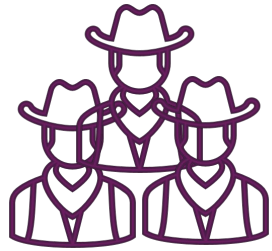
Done



'Scrum' team – Max. 9 team members



Dedicated QA teams



We need to do it all





Goalkeepers

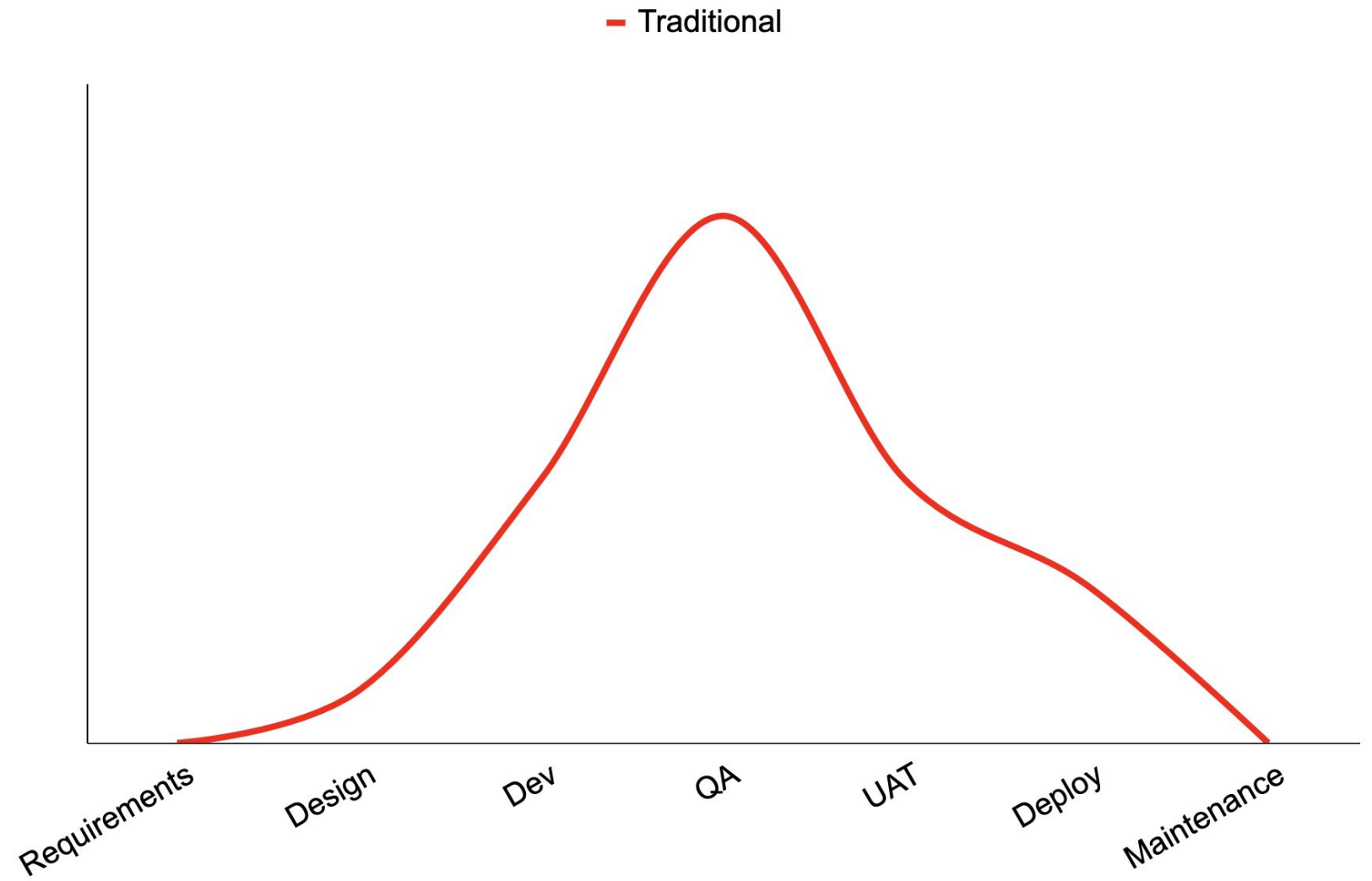
Weakest link



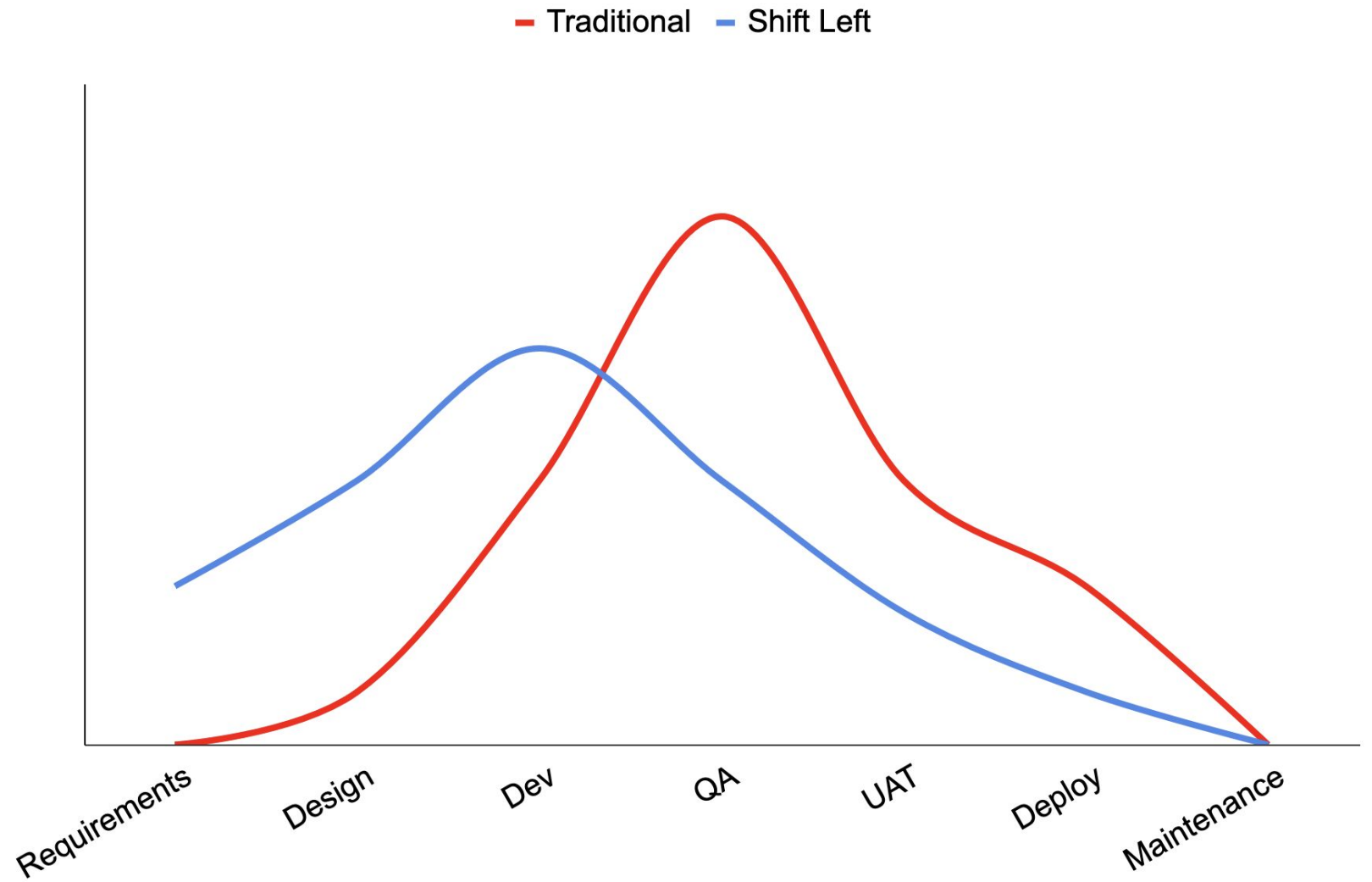


Holistic Quality Mindset

Flatten the hill



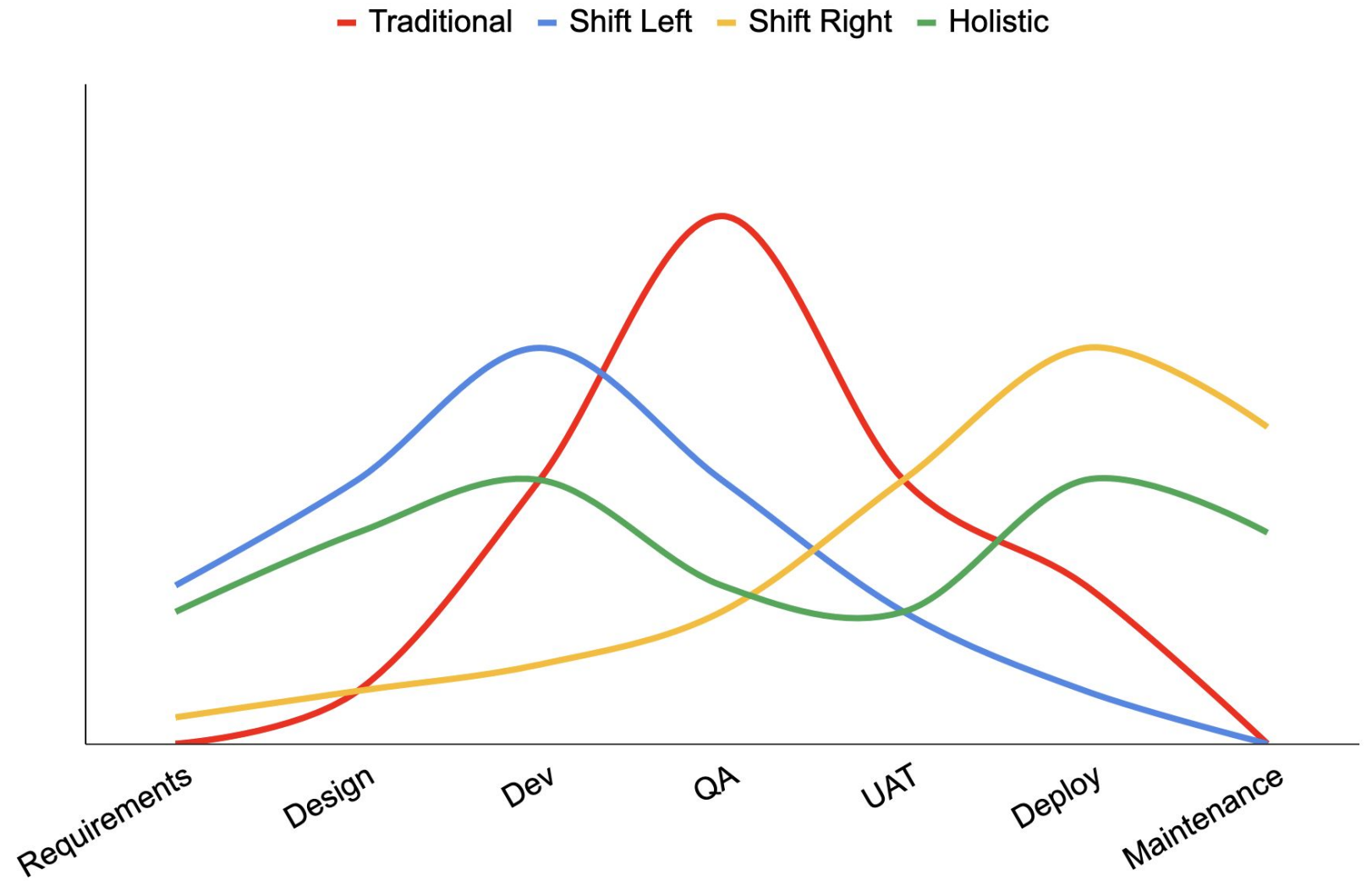
Flatten the hill



Flatten the hill



Flatten the hill

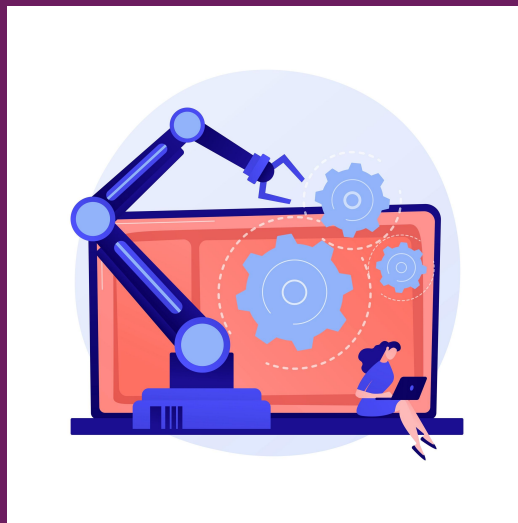


Our friends in holistic quality



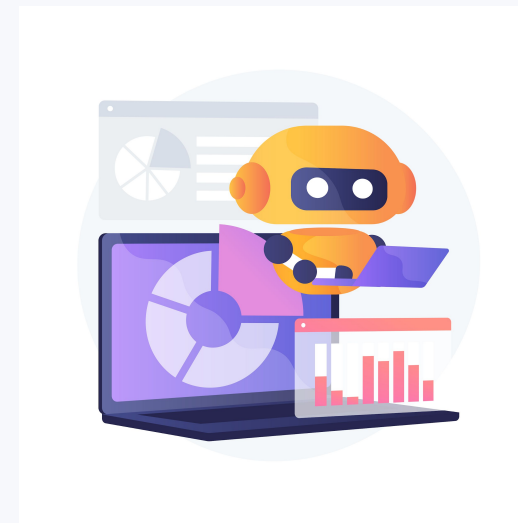
Friends in the team

- PO
- UX
- Dev
- Ops



Friends in automation

- Test automation (unit, API, UI)
- Automated test runs & reports
- Dashboards and alerts

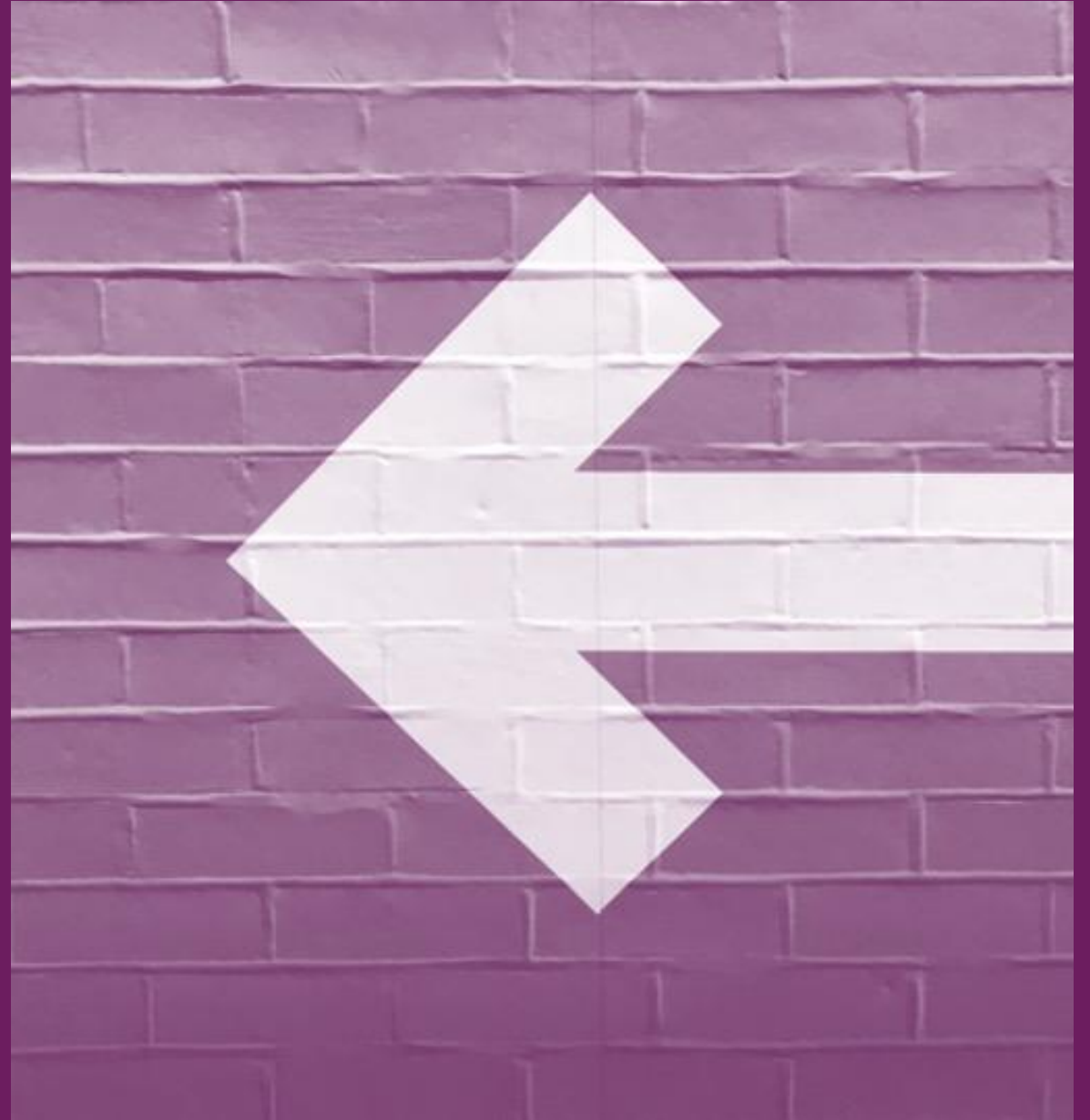


AI friends

- GenAI (ChatGPT, Claude, ...)
- Test AI tools
- MLOps

Shift Left

左に移動



Quality in
=
quality out

Martijn Goossens
Speaker Tokyo Test Fest 2024

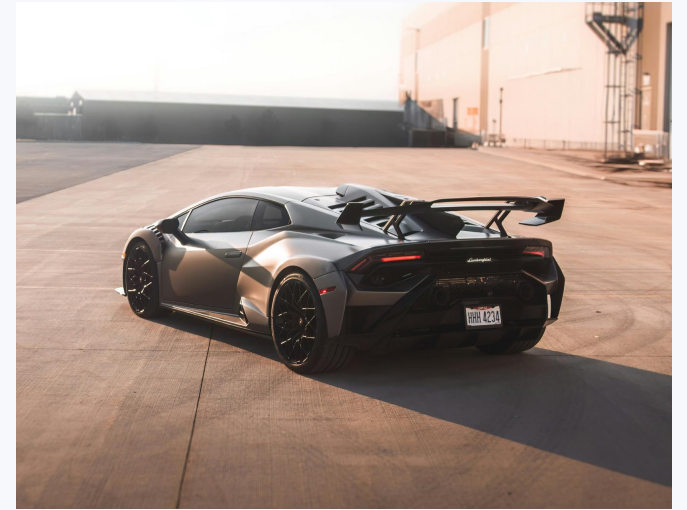
3 Best practices of Shift Left



Speaking the same language

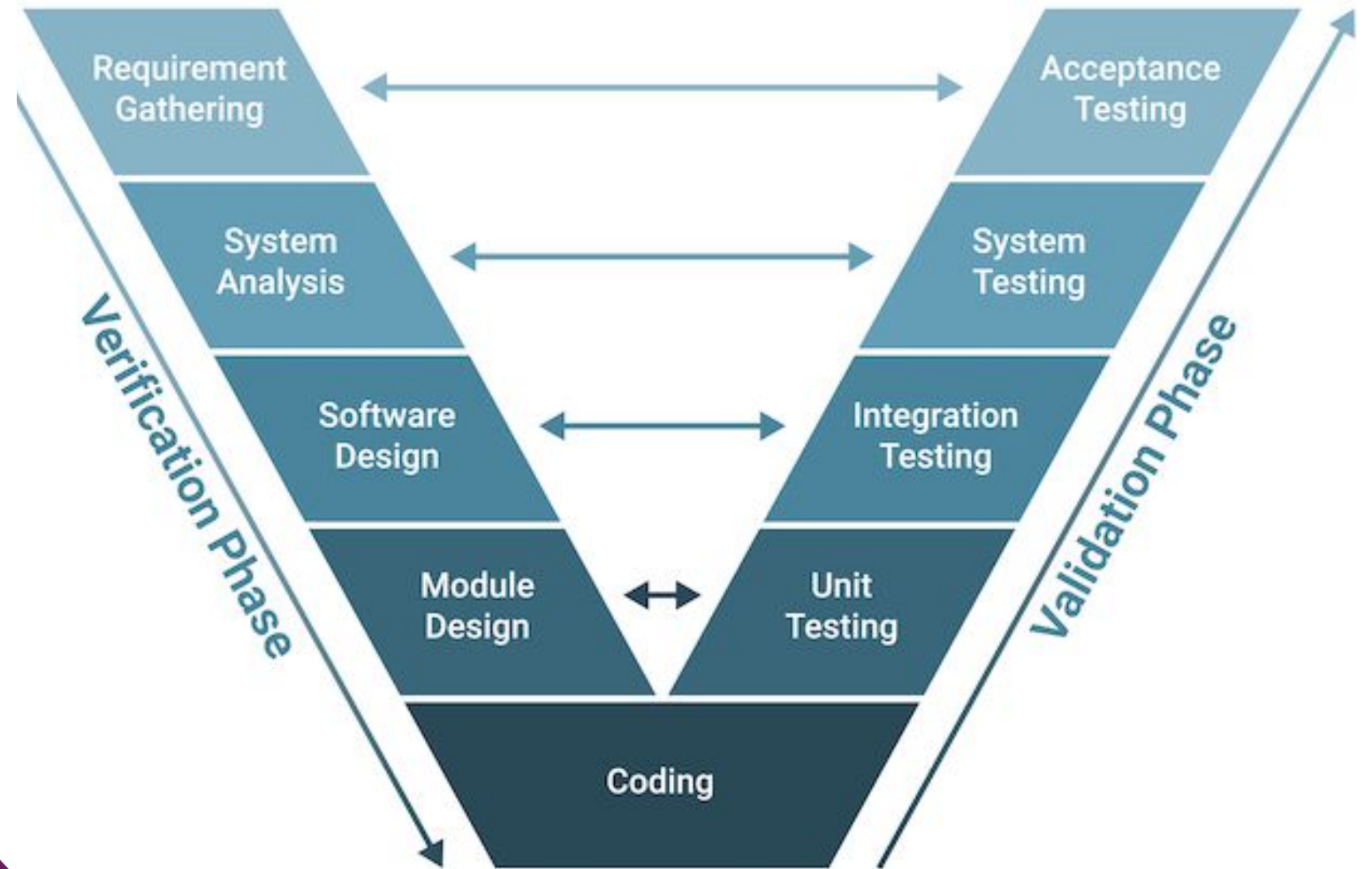


Align understanding



Fast feedback

V-model



Shift left activities

risk analysis
environment setup
continuous integration
requirements review
feedback loops
test case design
test planning
automated testing
security testing
bdd
unit testing
code reviews
exploratory testing
collaborative communication
performance testing
static testing

*According to our friend ChatGPT

3 Best practices of Shift Left



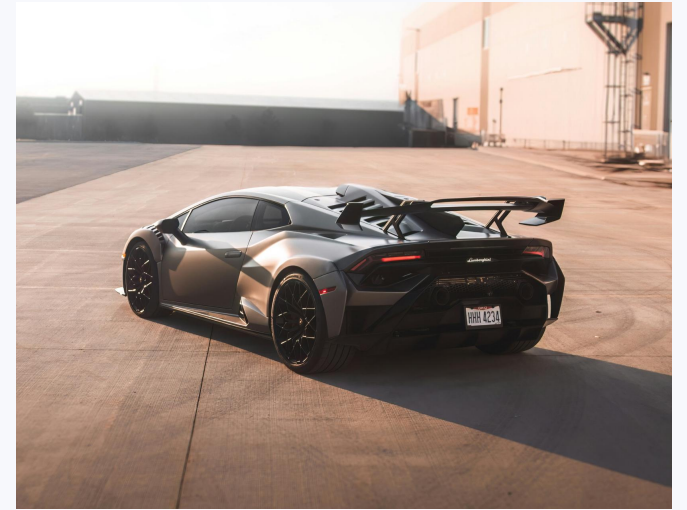
Speaking the same language

- BDD (PO)
- Gherkin / Cucumber (BA)



Align understanding


- DDD
- Requirements analysis
- Coding guidelines (Dev)



Fast feedback

- Test case design (GenAI)
- Unit testing (Dev)
- Static analysis (Automated tools)

Shifting left – Top 3 priorities

- Requirements analysis
 - Test case planning
 - Unit testing
- 

Shifting left – Top 3 priorities

- Requirements analysis
 - Development team & Test AI tools (Keysight)
 - Test case planning
 - QA, Developers & GenAI (ChatGPT)
 - Unit testing
 - Developers & DevAI (Github Copilot)
- 



Shift right
右に移動

**Are we sure it works
after we ship it?**

**Martijn Goossens
Speaker Tokyo Test Fest 2024**

3 Best practices of Shift Right



Make it safe to fail



Make it easy to debug



Make it easy to learn

Shift right activities



A word cloud of shift right activities. The words are arranged in a roughly triangular shape, pointing to the right. The colors of the words vary, including yellow, dark blue, red, light blue, and purple. The words are: usability testing, performance testing, regression testing, post-release testing, canary releases, smoke testing, analytics, incident management, production monitoring, user feedback, logging, beta testing, a/b testing, feedback loops, continuous deployment, real user monitoring, and load testing.

usability testing
performance testing
regression testing
post-release testing
canary releases
smoke testing
analytics
incident management
production monitoring
user feedback
logging
beta testing
a/b testing
feedback loops
continuous deployment
real user monitoring
load testing

*According to our friend ChatGPT

3 Best practices of Shift Right



Make it safe to fail

- Canary releases (Dev, Ops)
- Beta Testing (UX, PO, QA)
- Recovery plan (Ops)
- Feature flags (Dev)



Make it easy to debug


- Analytics (Dev, PO)
- Logging & tracing (Dev, Ops)
- Testability matrix (QA, Dev)



Make it easy to learn

- A/B testing (UX, PO)
- Real user monitoring (Ops, UX)
- User feedback (UX, PO)
- MLOPS (Ops)

Shifting right – Top 3 priorities

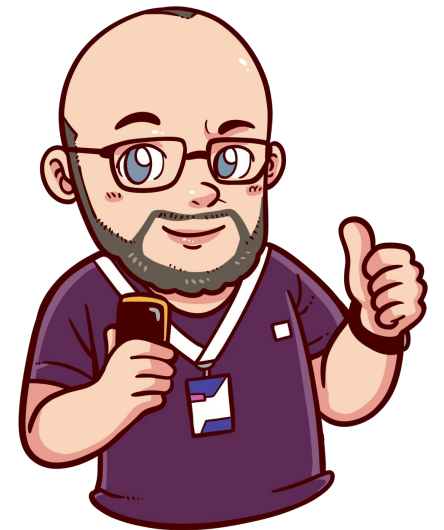
- Recovery / roll-back plan
 - Metrics & analytics
 - Feature flags
- 

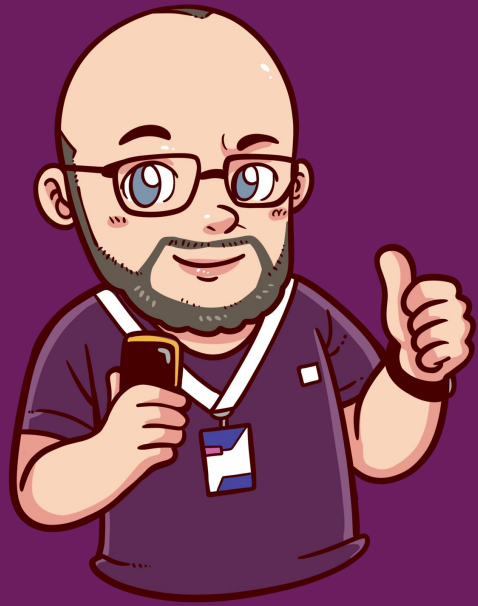
Shifting right – Top 3 priorities

- Recovery / roll-back plan
 - Operations & Automation
- Metrics & analytics
 - Business, Operations & MLOps (Evidently, Fiddler)
- Feature flags
 - Development, Operations & Automation

Let's check in

- Holistic quality mindset
- Shifting left activities
- Shifting right activities
- Identified our friends





ありがとう

Questions are very welcome!
Don't forget to take a sticker :)

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