

W17

Compatibility Testing Wednesday, October 3rd, 2018 3:00 PM

Engineering for Compatibility

Presented by:

Melissa Benua

mParticle

Brought to you by:



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Melissa Benua

In her career at companies from large to small, Melissa Benua has worked in nearly every software development role-engineer, test, DevOps, and program management. She's created and run high-availability, high-quality services at Boeing and Microsoft on products such as Bing, Cortana, and Xbox One. Melissa discovered her love of massively-scaled systems while working on the Bing backend, where she honed the art of keeping highly-available complex systems up while undergoing massive code churn. Now a senior engineer and manager at the disruptive gaming startup PlayFab, Melissa isn't afraid to mix traditional approaches with bold new ideas to make her products better, faster, and more reliable. She's passionate not only about maximizing efficiency both in her product code and in her developer tools but also about sharing best practices among colleagues and the tech world at large!

Test Design for Fully Automated Build Architectures

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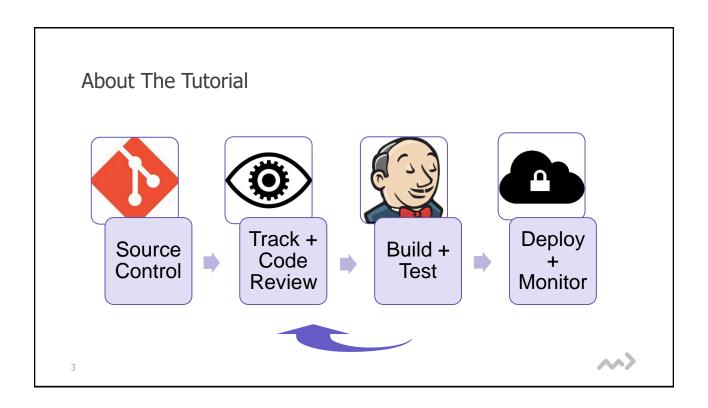
Melissa Benua Senior Technical Lead, mParticle mbenua@gmail.com @queenofcode STARWEST 2018

About Me

Boeing Microsoft PlayFab mParticle

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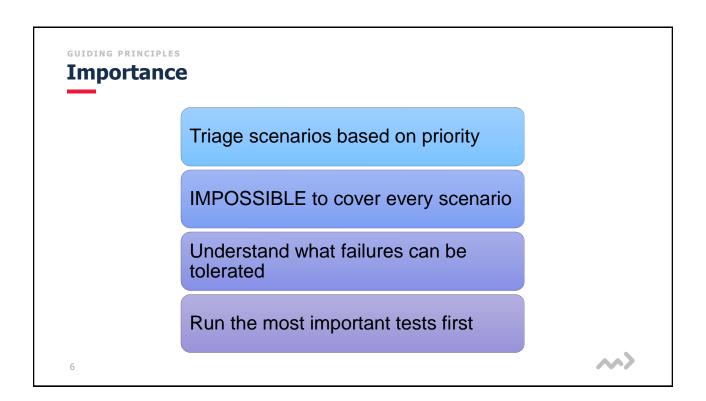
Guiding Principles

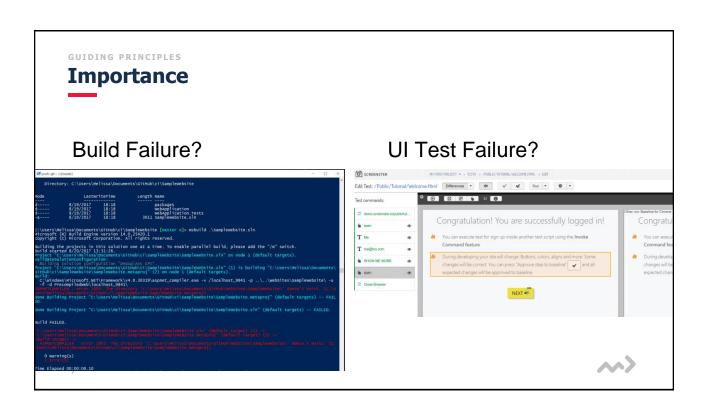
What are we doing here?

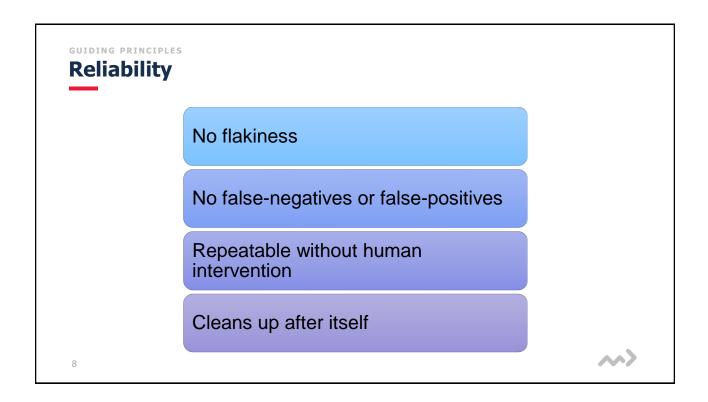
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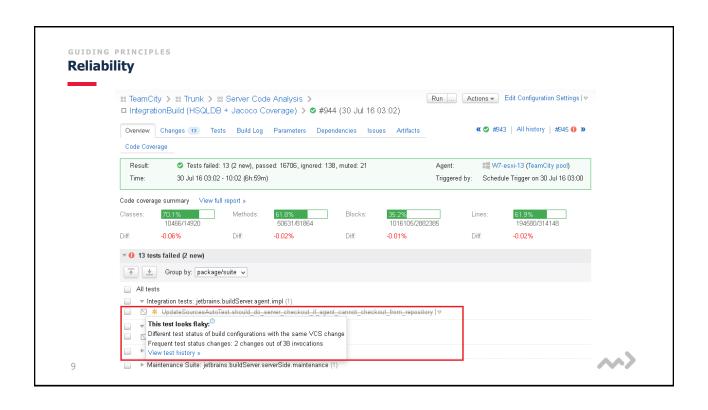
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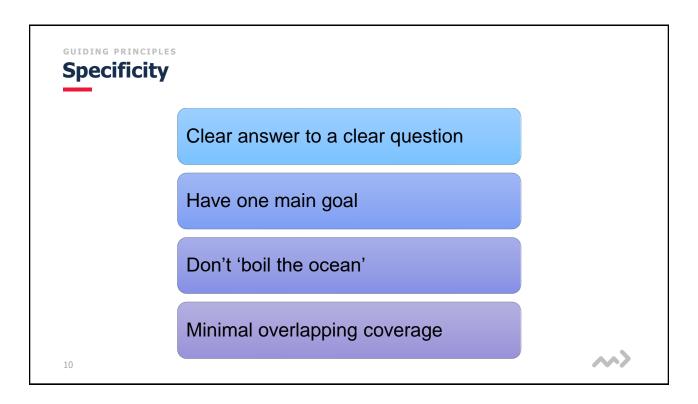
Key Test Features Important Reliable Specific

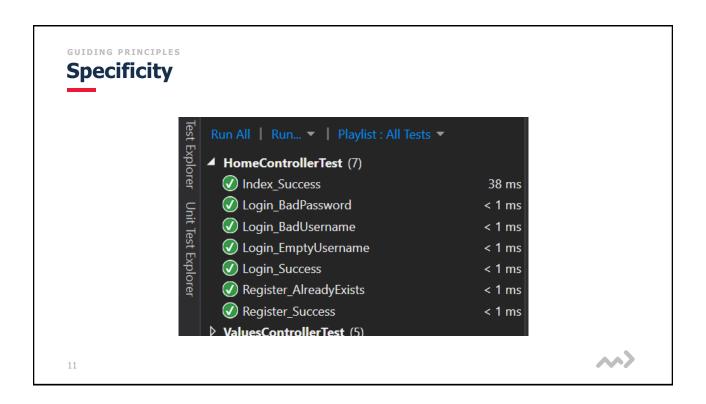


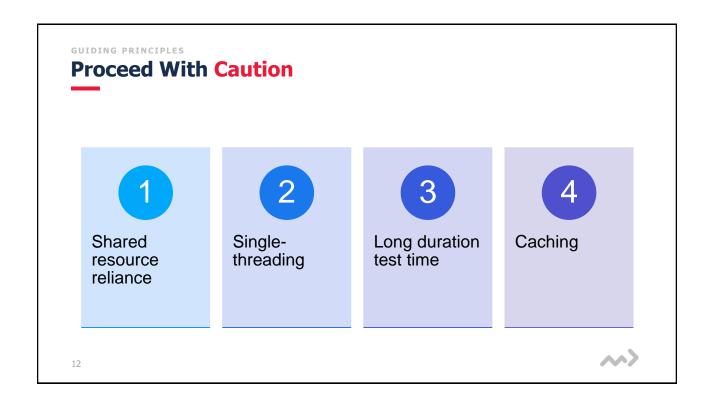






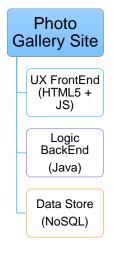






Exercise: Test Cases

- Most important?
- Easiest?
- Most reliable?



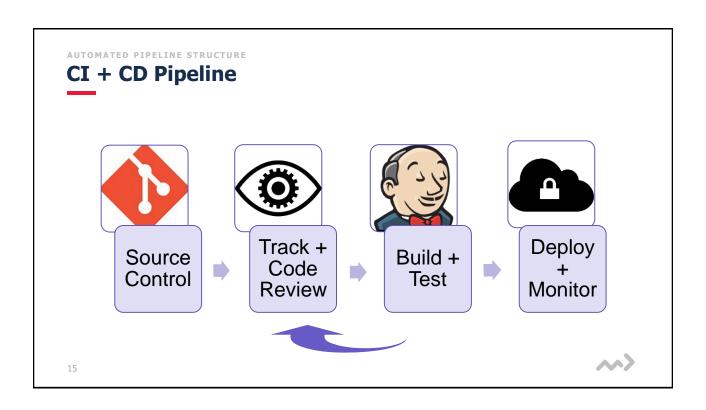
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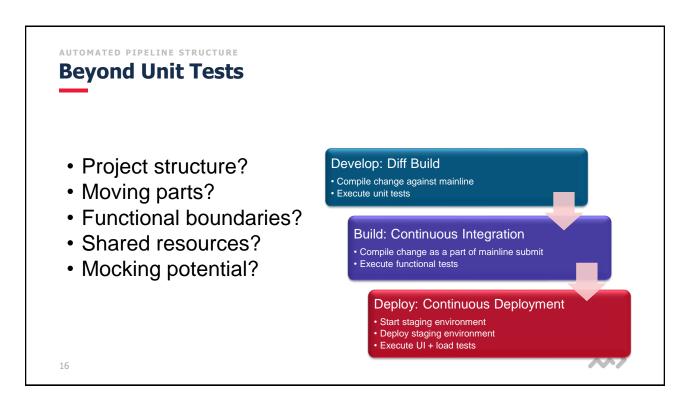
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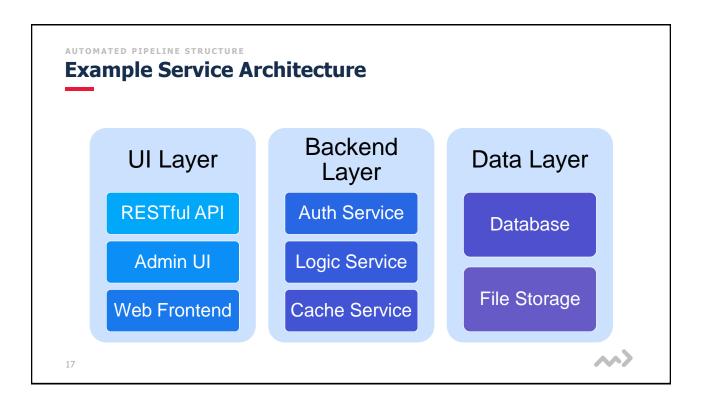
Automated Pipeline Structure

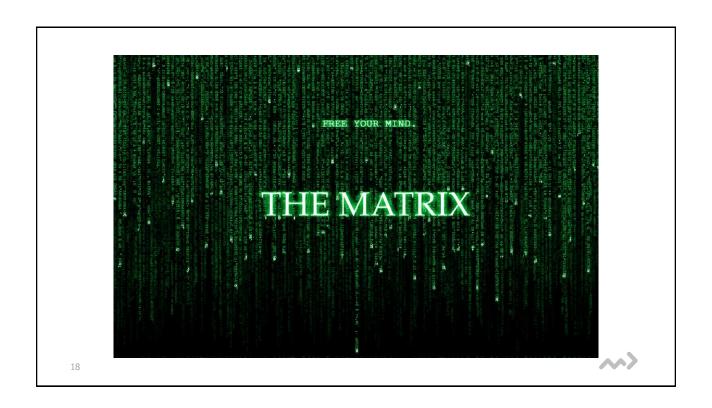
What does it even look like?

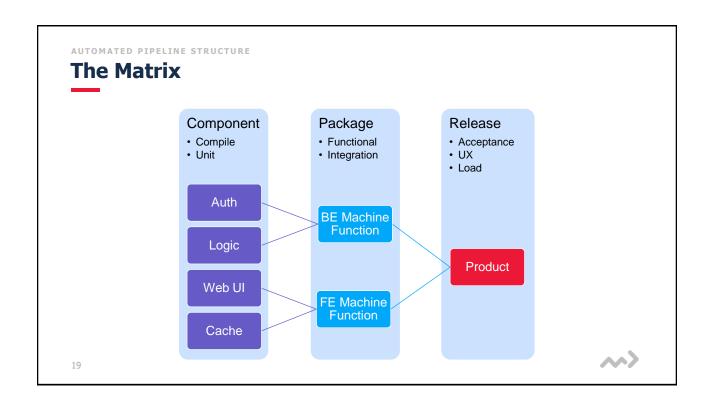


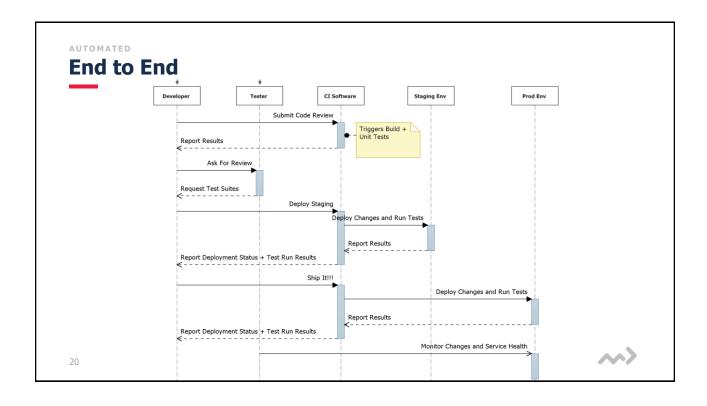












What should we run?
 When should we run it?
 How long should we wait?

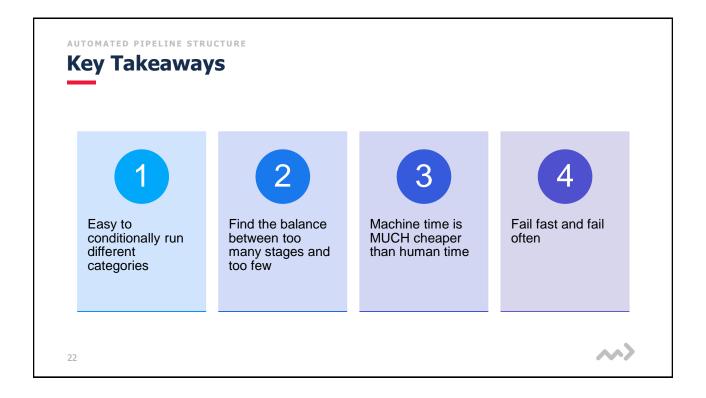
Photo Gallery Site

UX FrontEnd (HTML5 + JS)

Logic BackEnd (Java)

Data Store

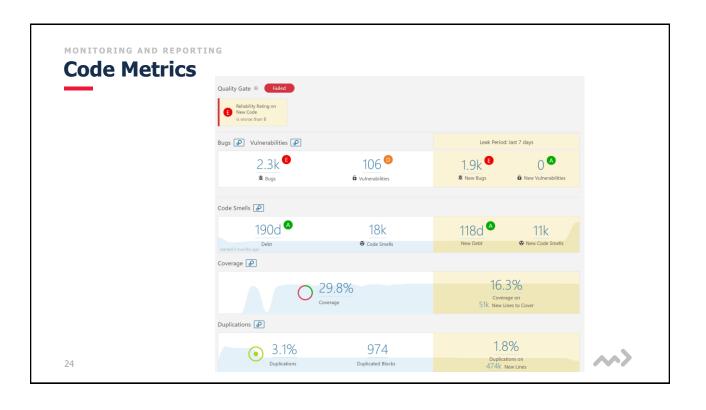
(NoSQL)

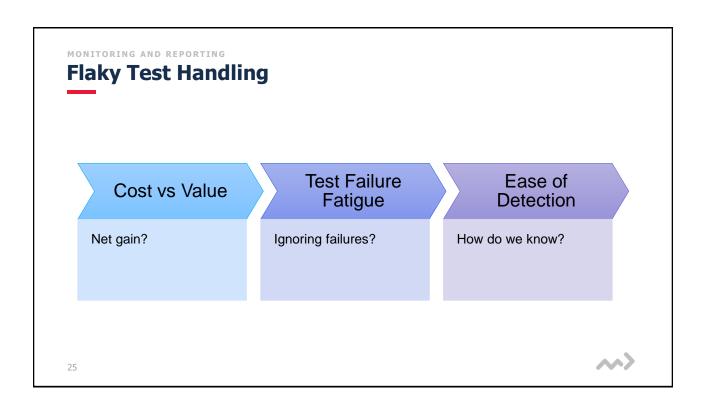


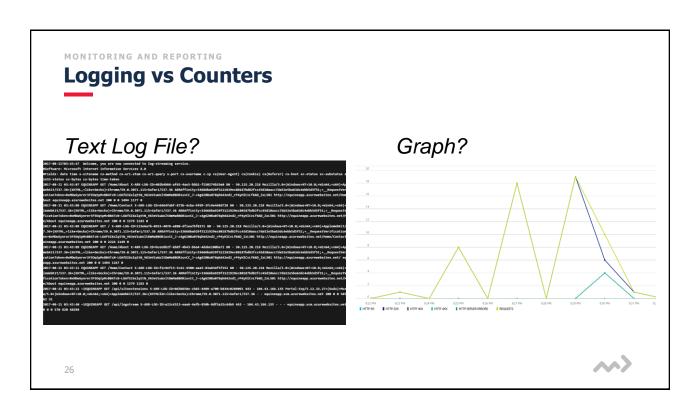
Monitoring and Reporting

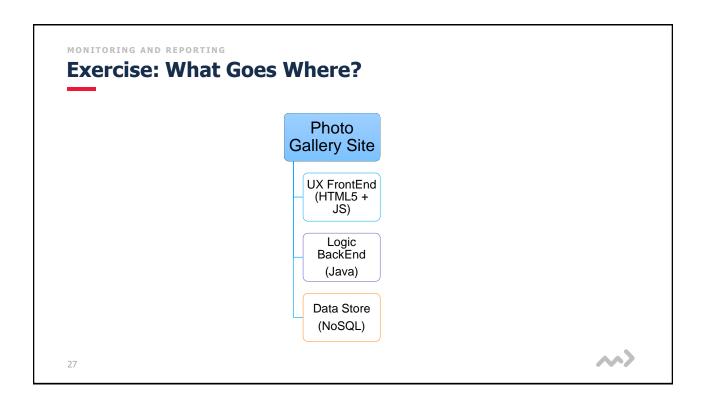
What just happened?













Thank you!

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