

W4

Test Analytics, AI/ ML Wednesday, May 2nd, 2018 11:30 AM

Al-Driven Testing as a Service: Fad, Fiction, or Future?

Presented by:

Tariq King

Ultimate Software

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Tariq King Ultimate Software

Tariq King is the director of quality engineering at Ultimate Software. With more than fifteen years of experience in software testing research and practice, Tariq provides technical leadership, people leadership, strategic direction, and staff training in software quality and test engineering. He has previously held positions of test manager, test architect, test lead, researcher, and college professor. Tariq is a frequent presenter at conferences and workshops, has published more than thirty research articles in IEEE and ACM sponsored journals, and has developed and taught software testing courses in both industry and academia. Contact Tariq via LinkedIn.





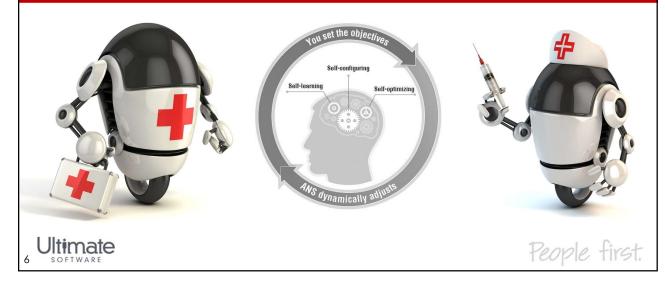






Self-Healing and Self-Testing

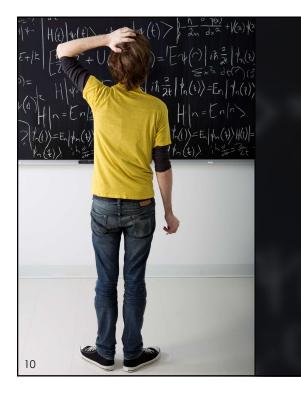
Failure Recovery and Built-In Self-Checks.







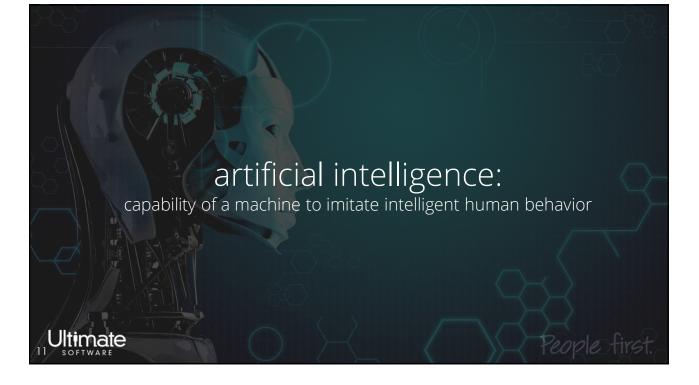




30 teams 500 people 300 engineers 100 testers 20M lines of code 300K documented tests 280K automated tests

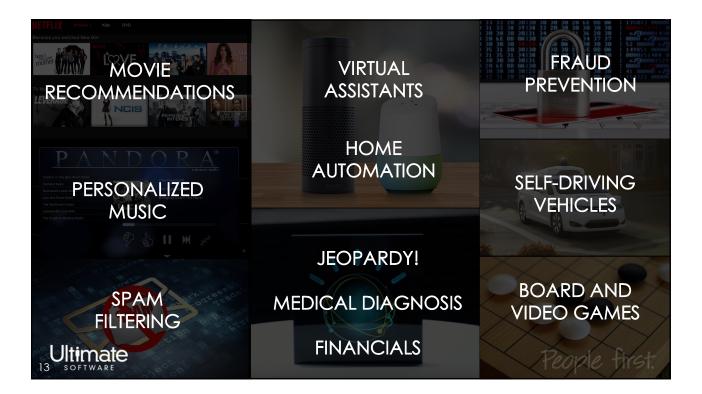
CONTINUOUSLY

People first.



the science of getting computers to act without explicit instructions

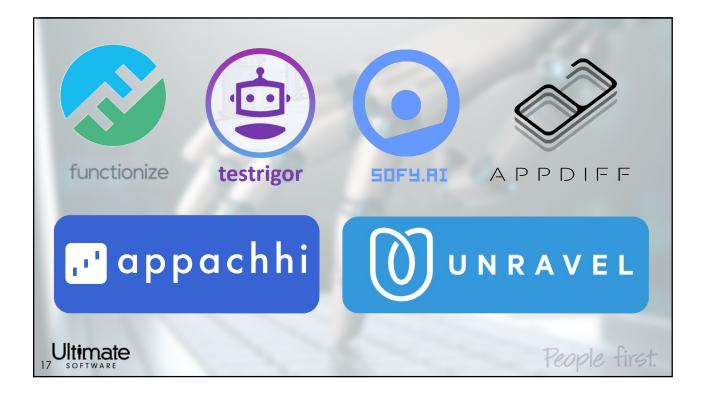






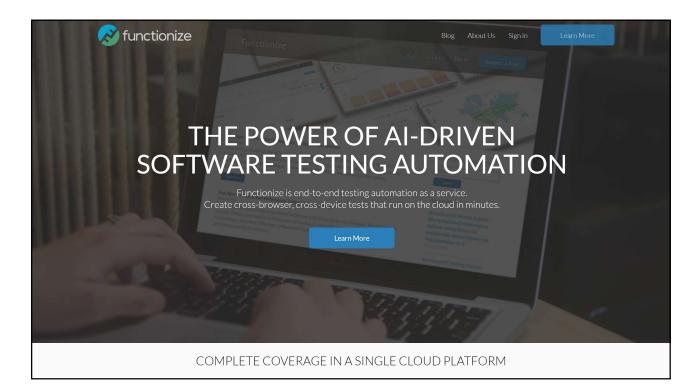


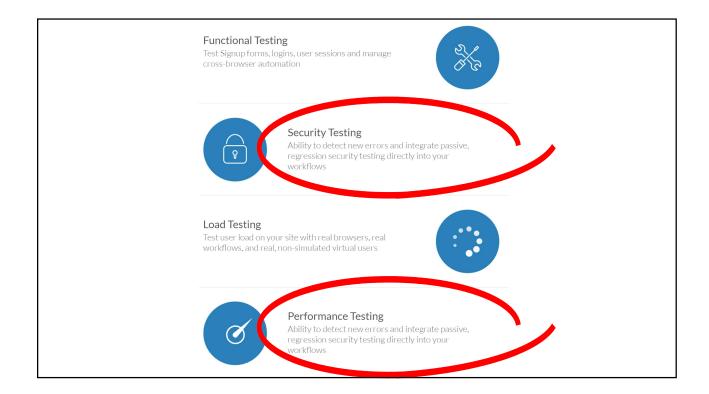






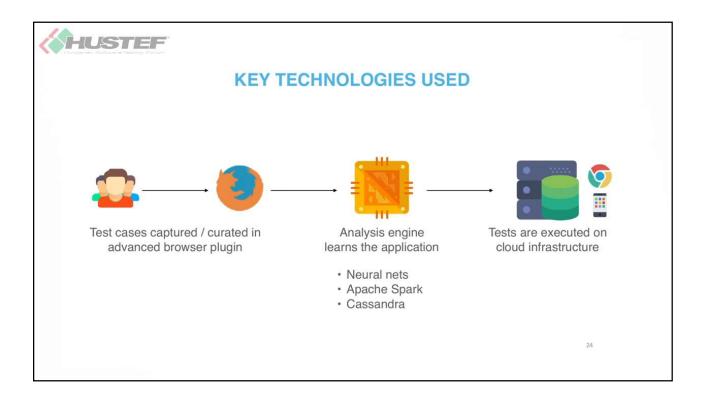






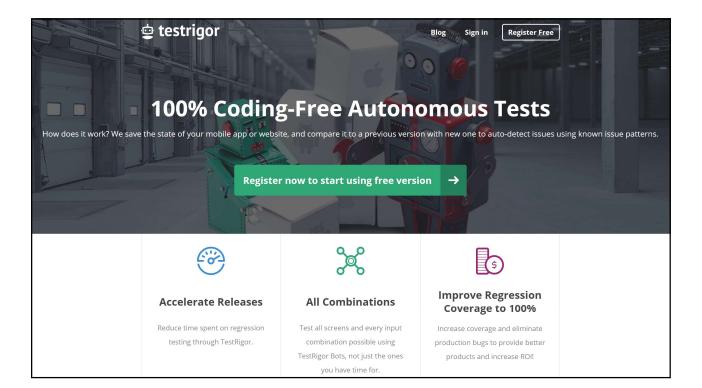




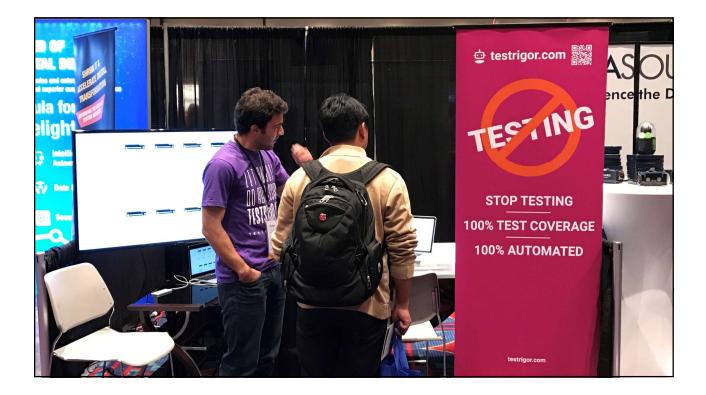




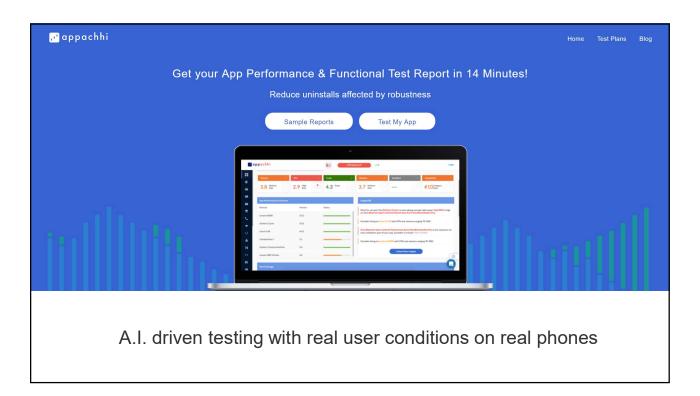


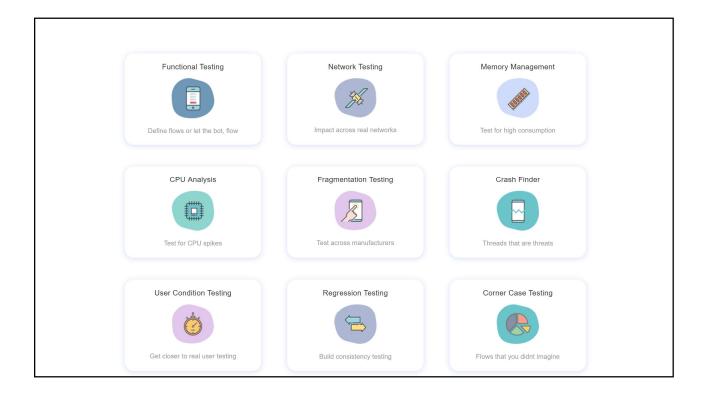


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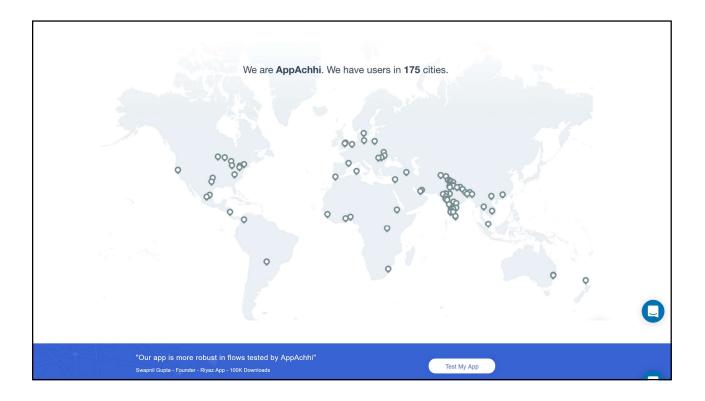




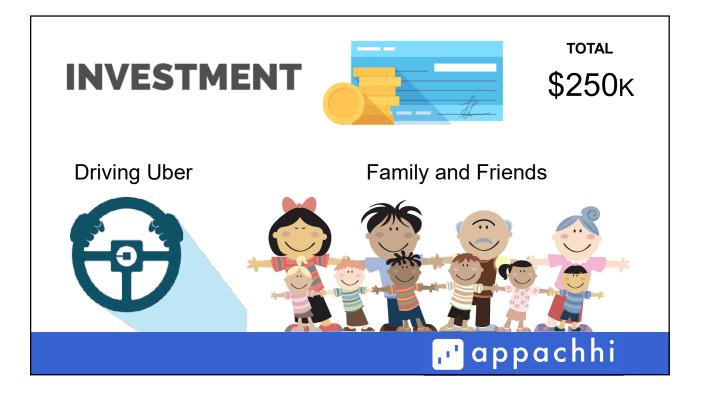


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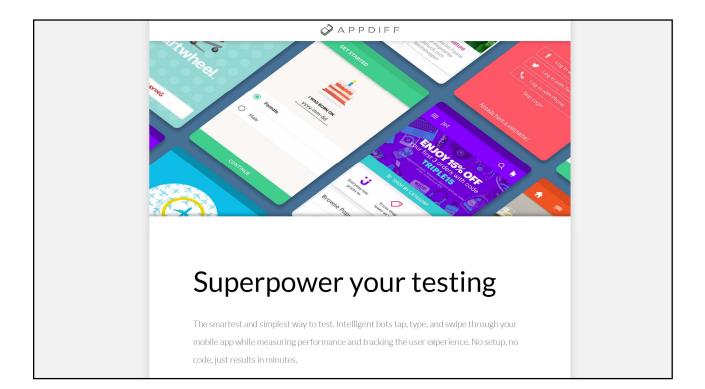
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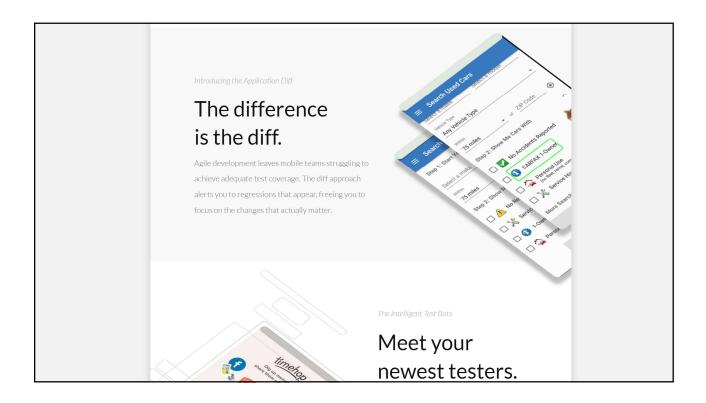


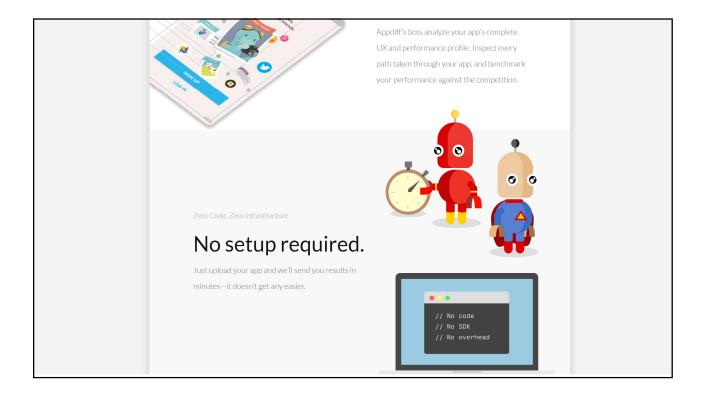


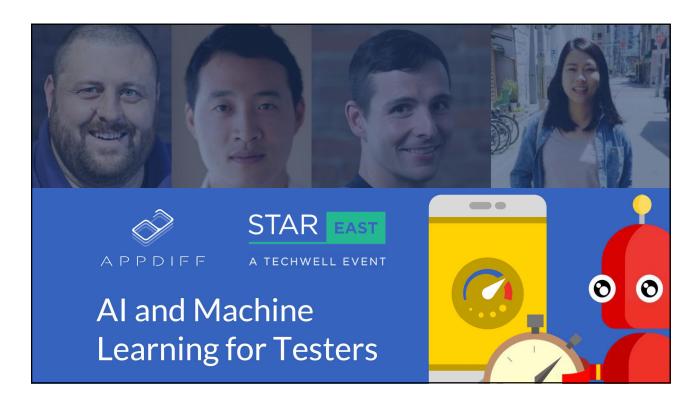




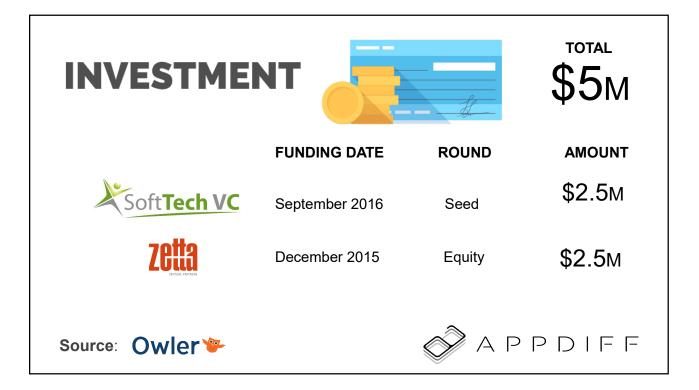


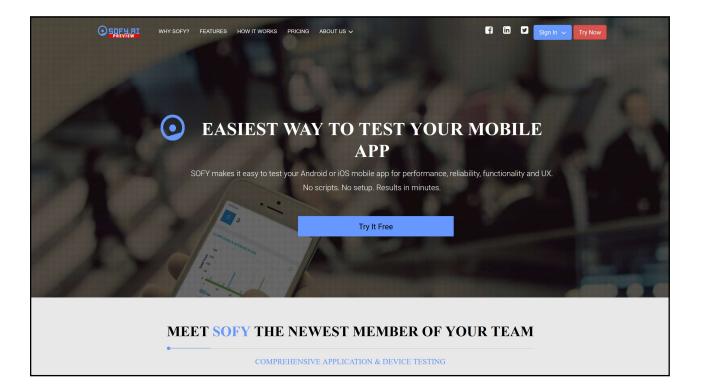


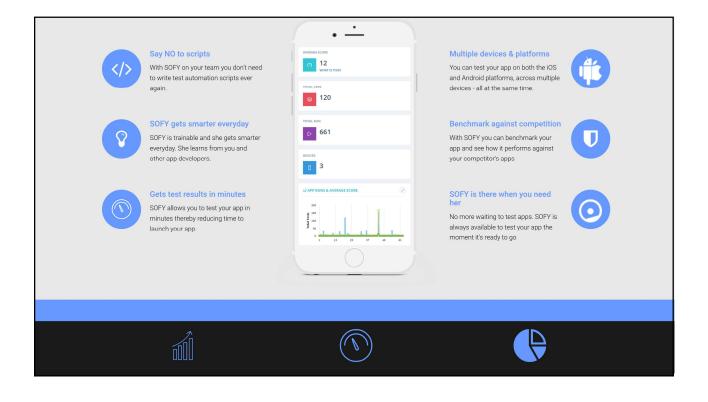














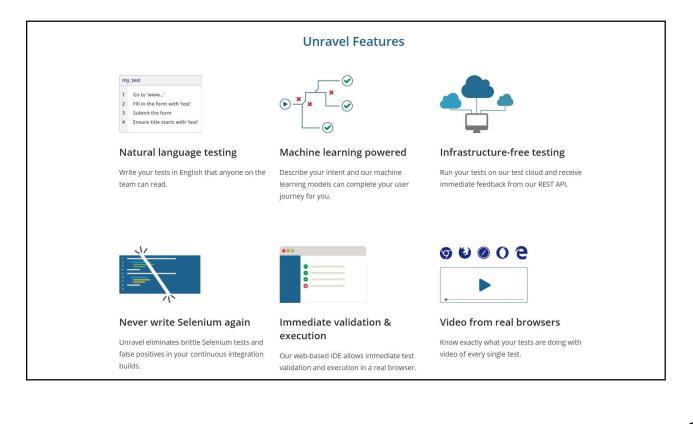


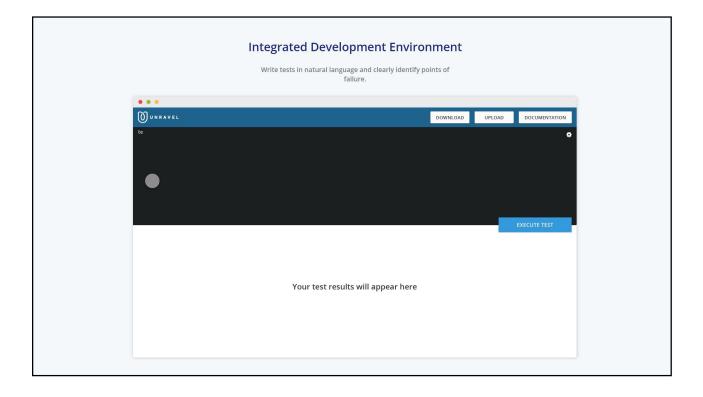




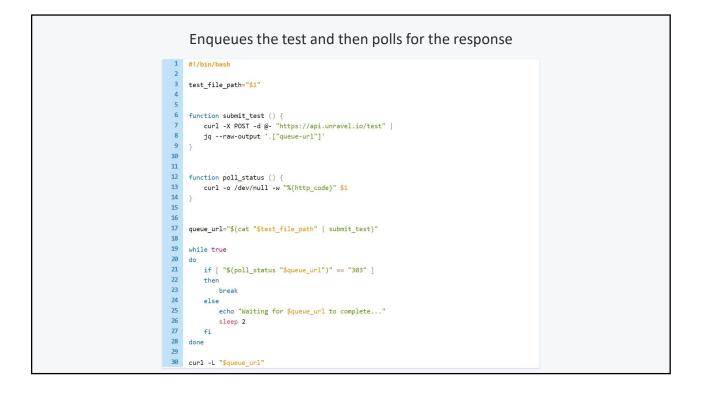


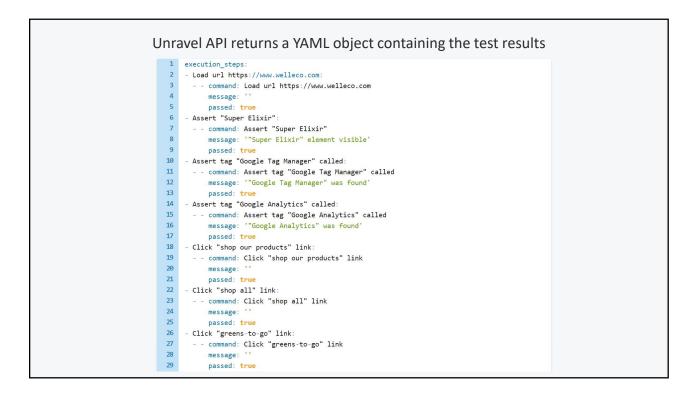
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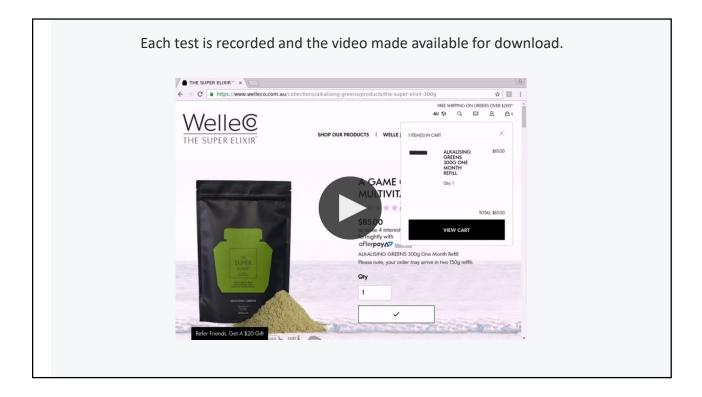


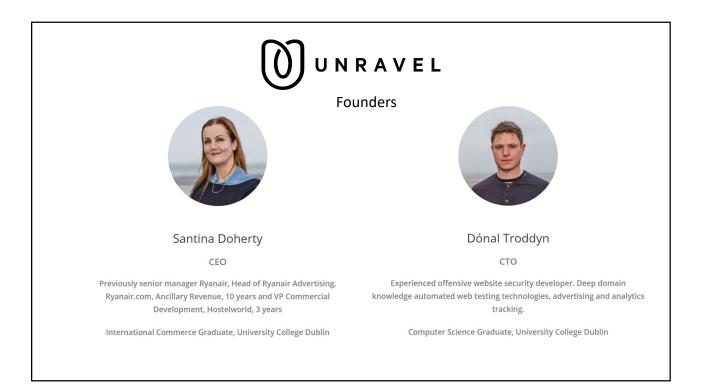


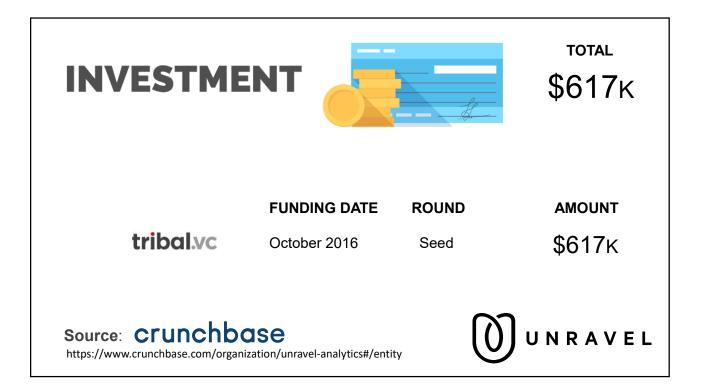
	The IDE experts the test as a VAML object							
	The IDE exports the test as a YAML object							
1	test definition:							
2	Load url https://www.welleco.com							
3	Assert "Super Elixir"							
4	Assert tag "Google Tag Manager" called							
5	Assert tag "Google Analytics" called							
6	Click "shop our products" link							
7	Click "shop all" link							
8	Click "greens-to-go" link							
9	Assert "Greens-to-Go" text							
10	Click "add to cart" link							
11	Go to cart							
12	Assert "Greens-to-Go" text							
13								
14	Assert "Customer information" text							
15								
16	Click "continue to shipping method" button							
17	Assert "Shipping" text							
18	Wait for 2 seconds							
19	Click "continue to payment method" button							
20	Assert "Payment" title							
21	Assert "Google Tag Manager"							
22	Assert "Google Analytics"							
23								
24	data_profile:							
25	first_name: Elle							
26	last_name: MacPherson							

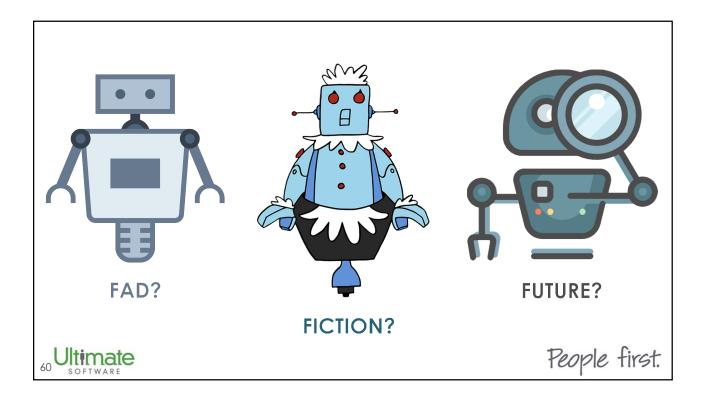


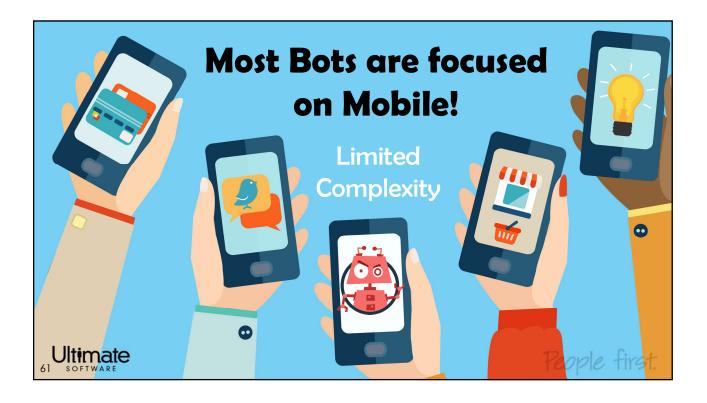












The Bots are at best Semi-Intelligent!

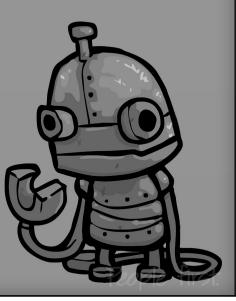
But...

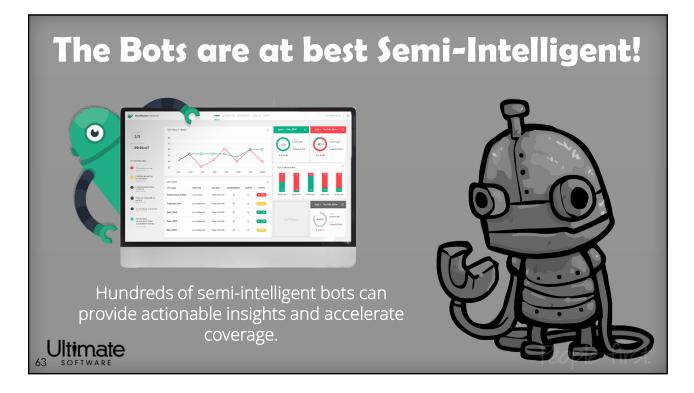
Ultimate

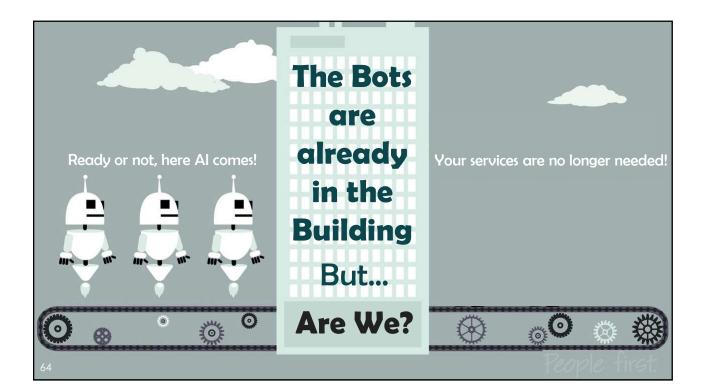
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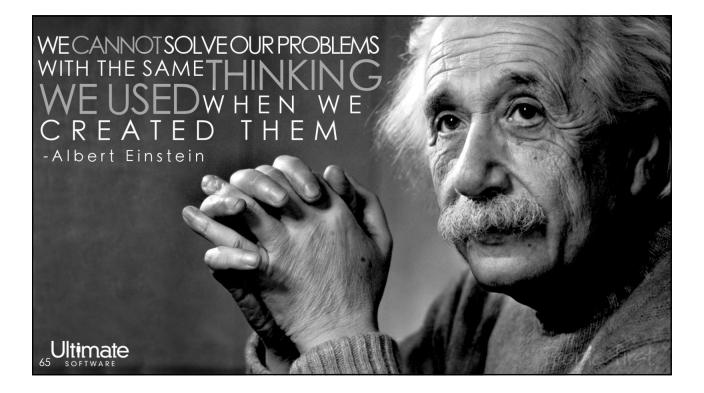
They only have to be better than the "average" tester.

There is definitely power in numbers.









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