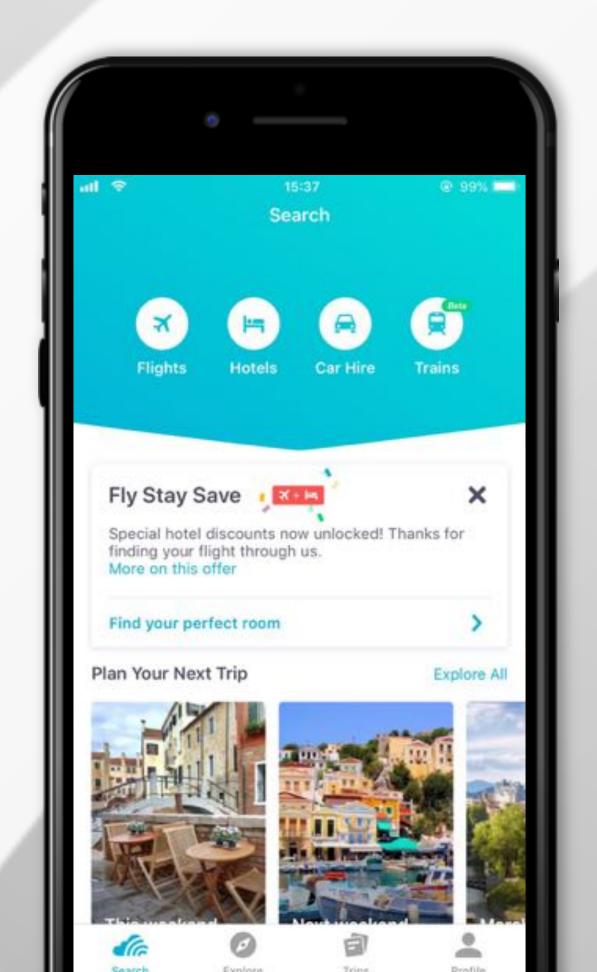
On the road to 10k deployments per day

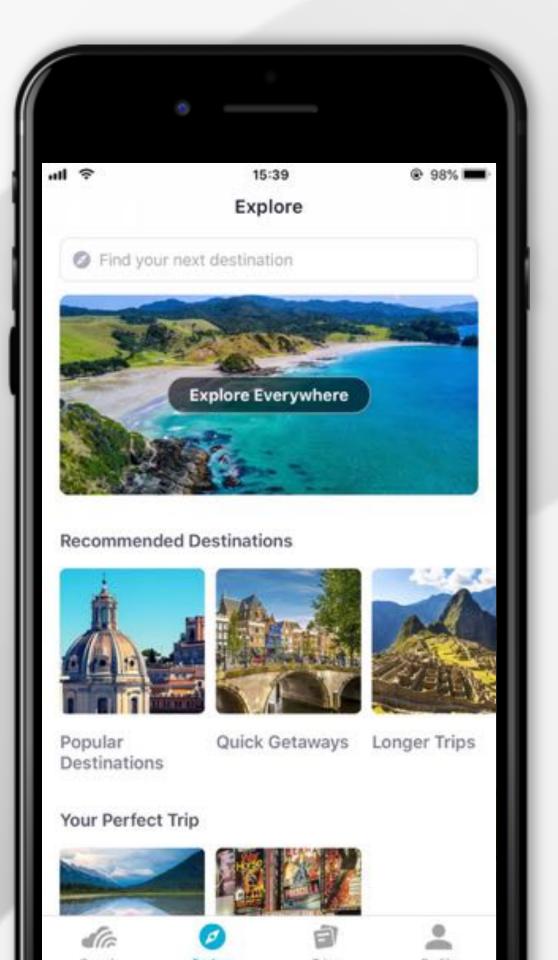
JAKUB KADLUBIEC • DEVELOPER PRODUCTIVITY, SKYSCANNER

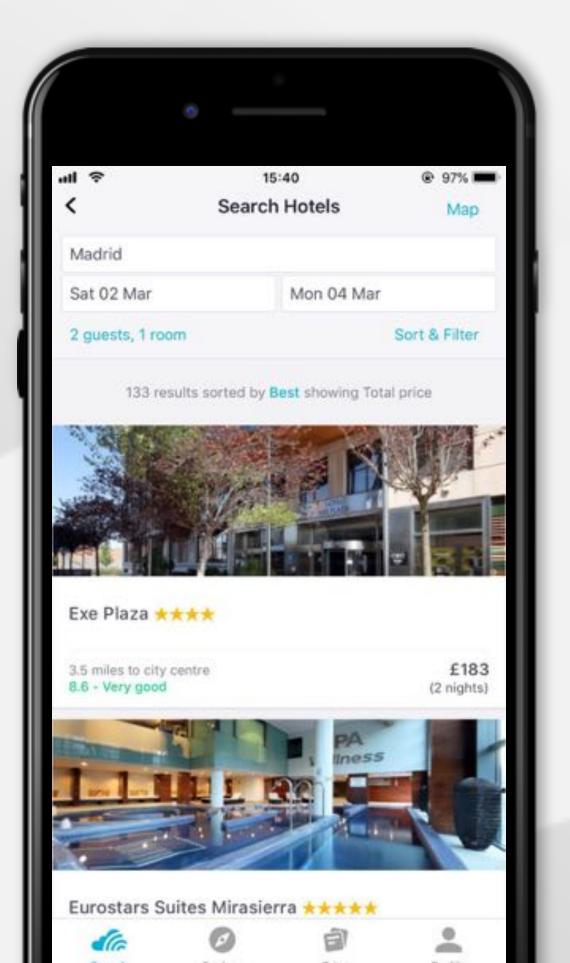


We want to be able to deploy 10k times per day But why? And how?

A single app for all your travel needs







80,000,000 app downloads

80,000,000 monthly users

600 engineers

1200 services behind it

MYSELF

Developer Productivity Tribe

- Force multiplier for engineers
- We want to turn every team in the company into a high performing team
- 60 of us now
- We own the platform, CI/CD tooling, frameworks, production standards, ...

How do we measure our impact?

What is our main goal?

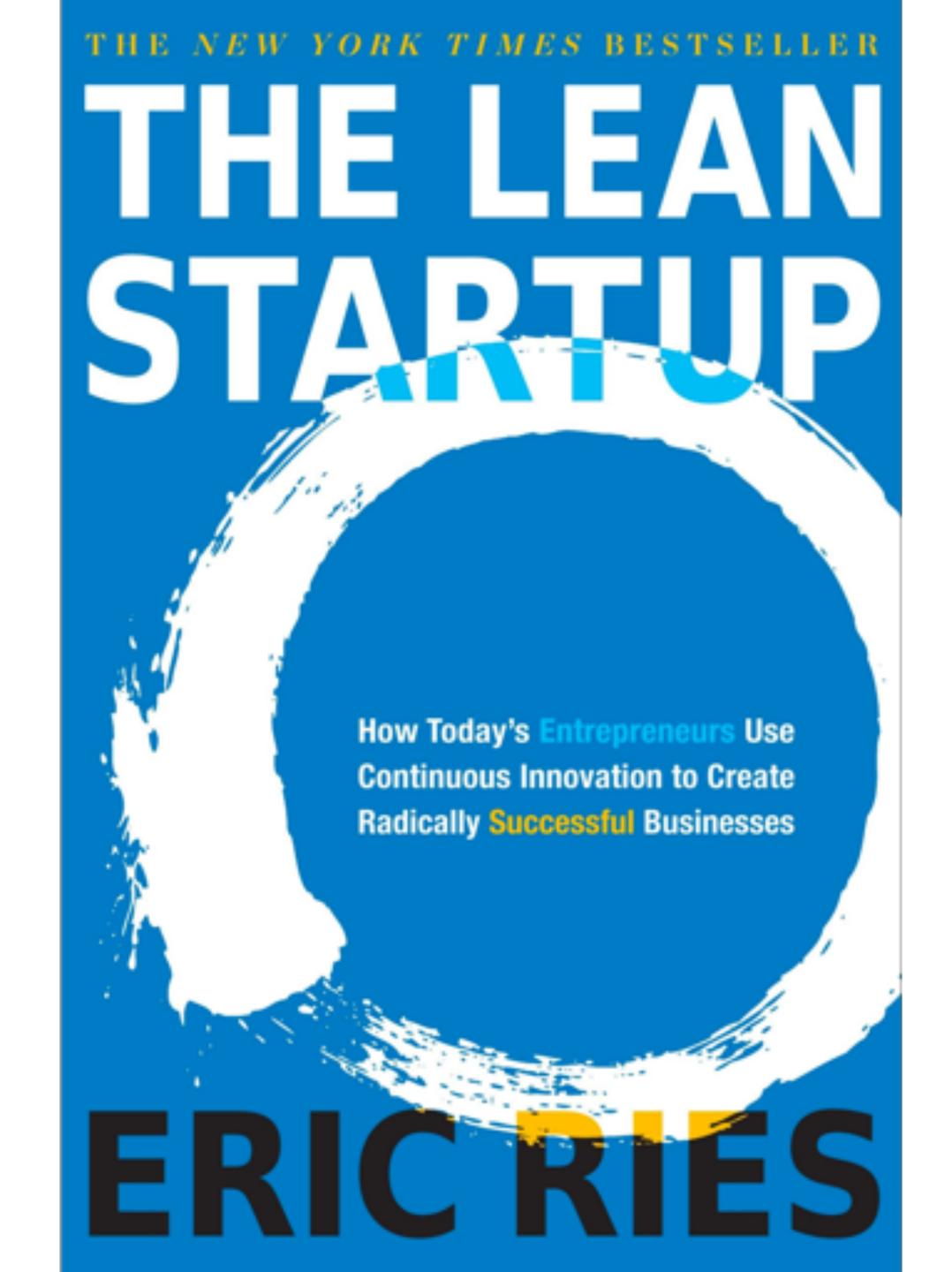
10,000

Why have deployment frequency as a metric and goal?

Boyd's Law of Iteration

"Speed of iteration beats quality of iteration"

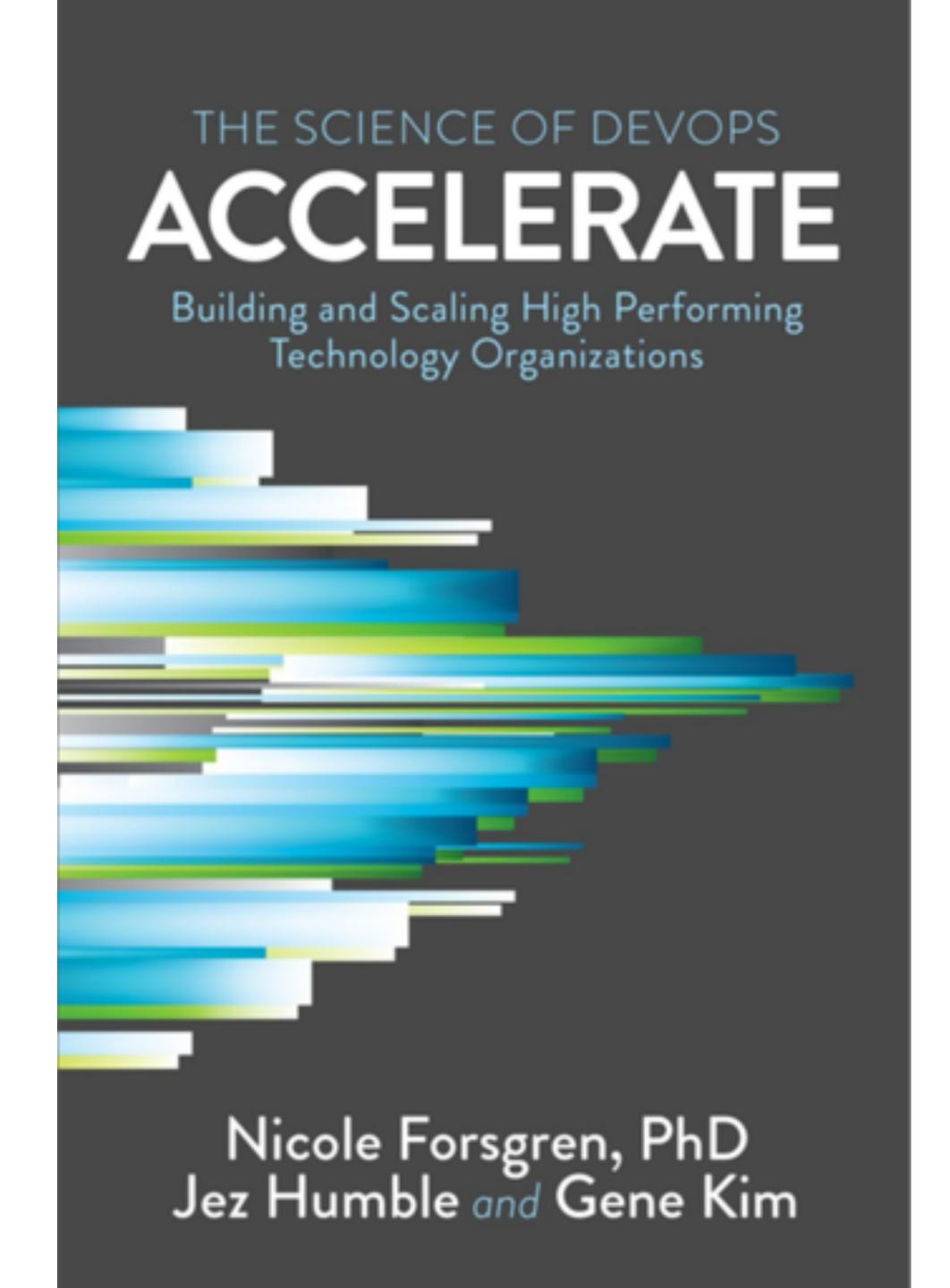
Build-Measure-Learn Feedback Loop

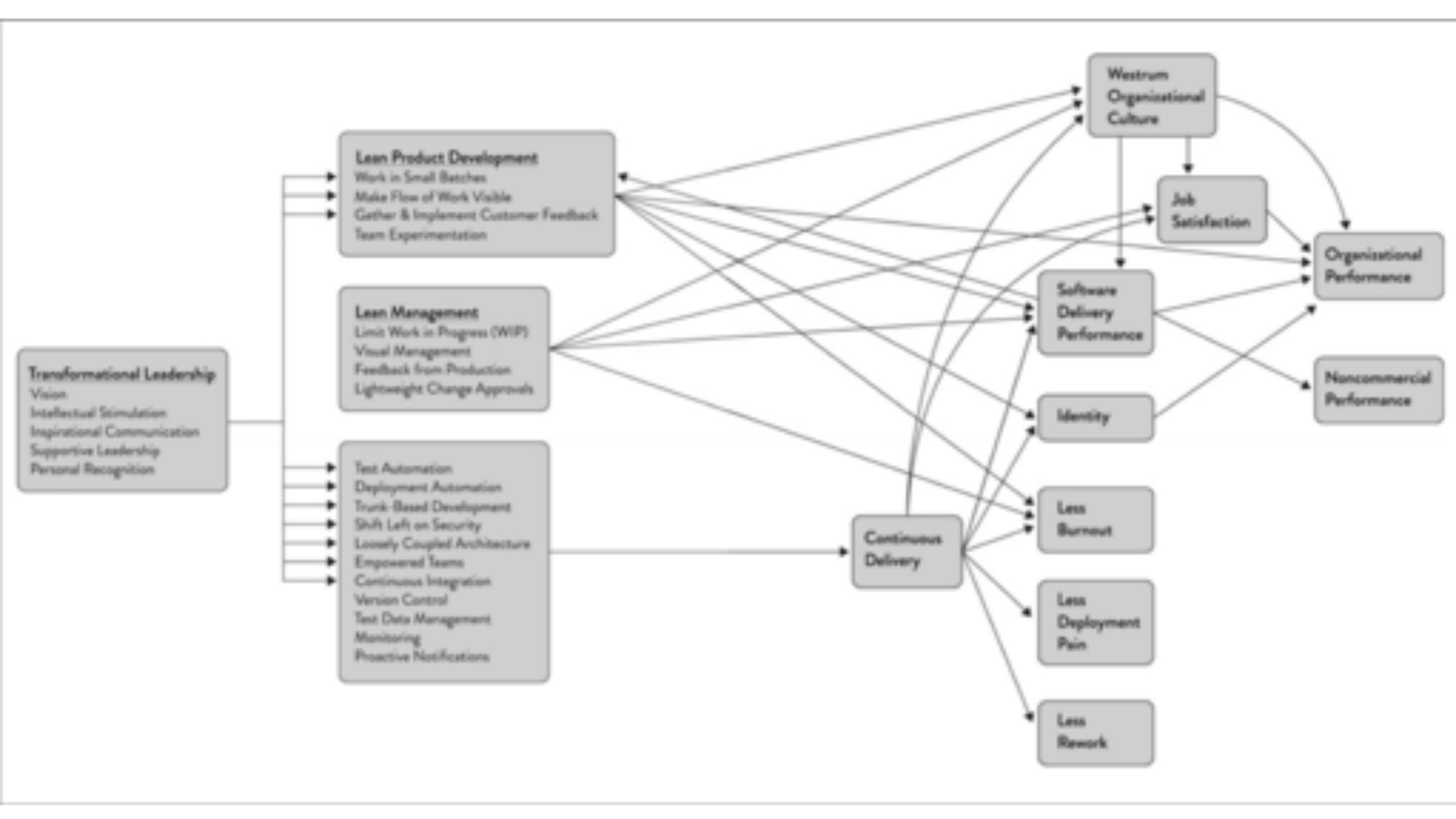


Software Delivery Performance

_>

Organizational Performance



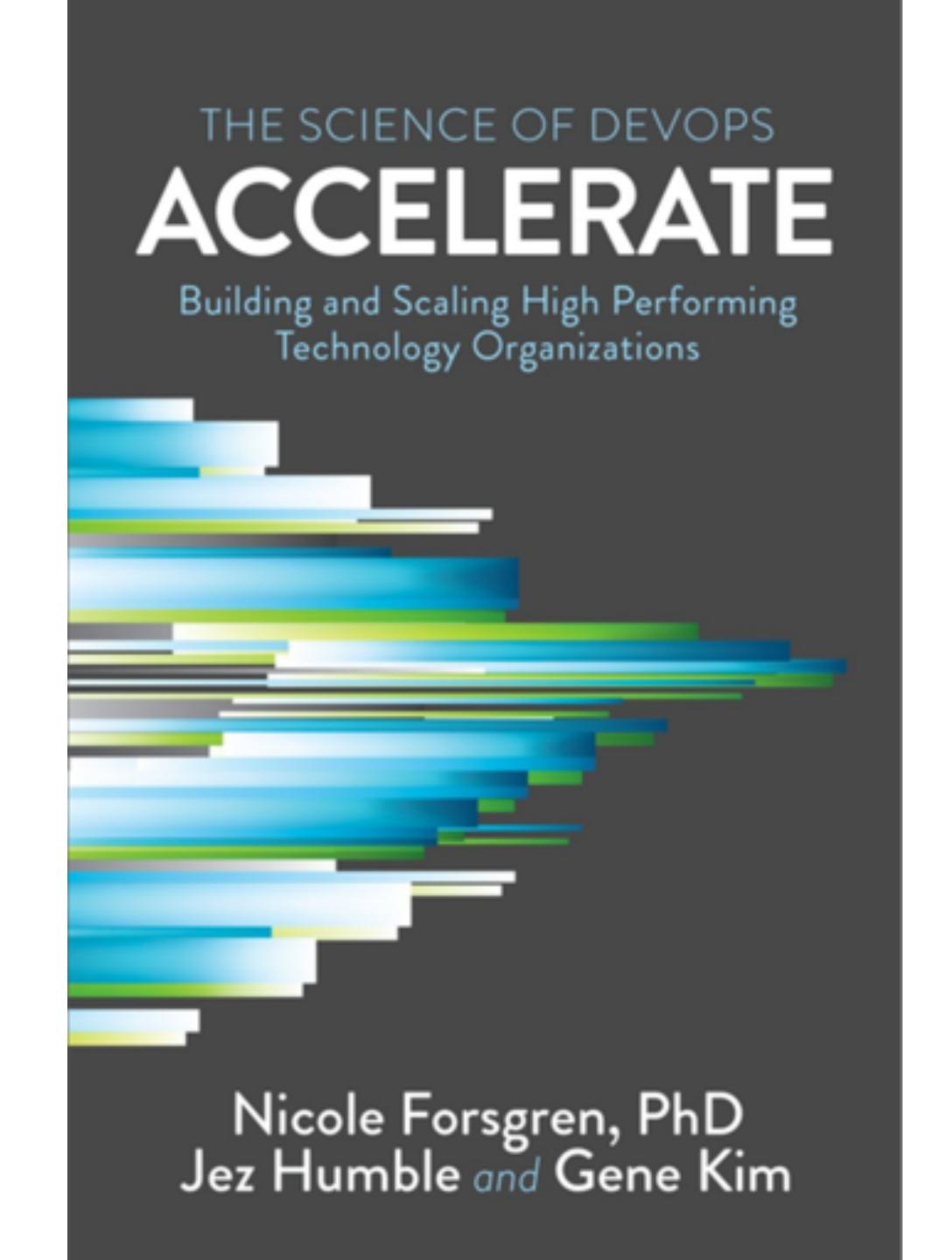


Deployment Frequency

Lead Time

Mean Time to Restore

Change Fail Percentage



Why 10k?

How?

Step 0 Lean development practices

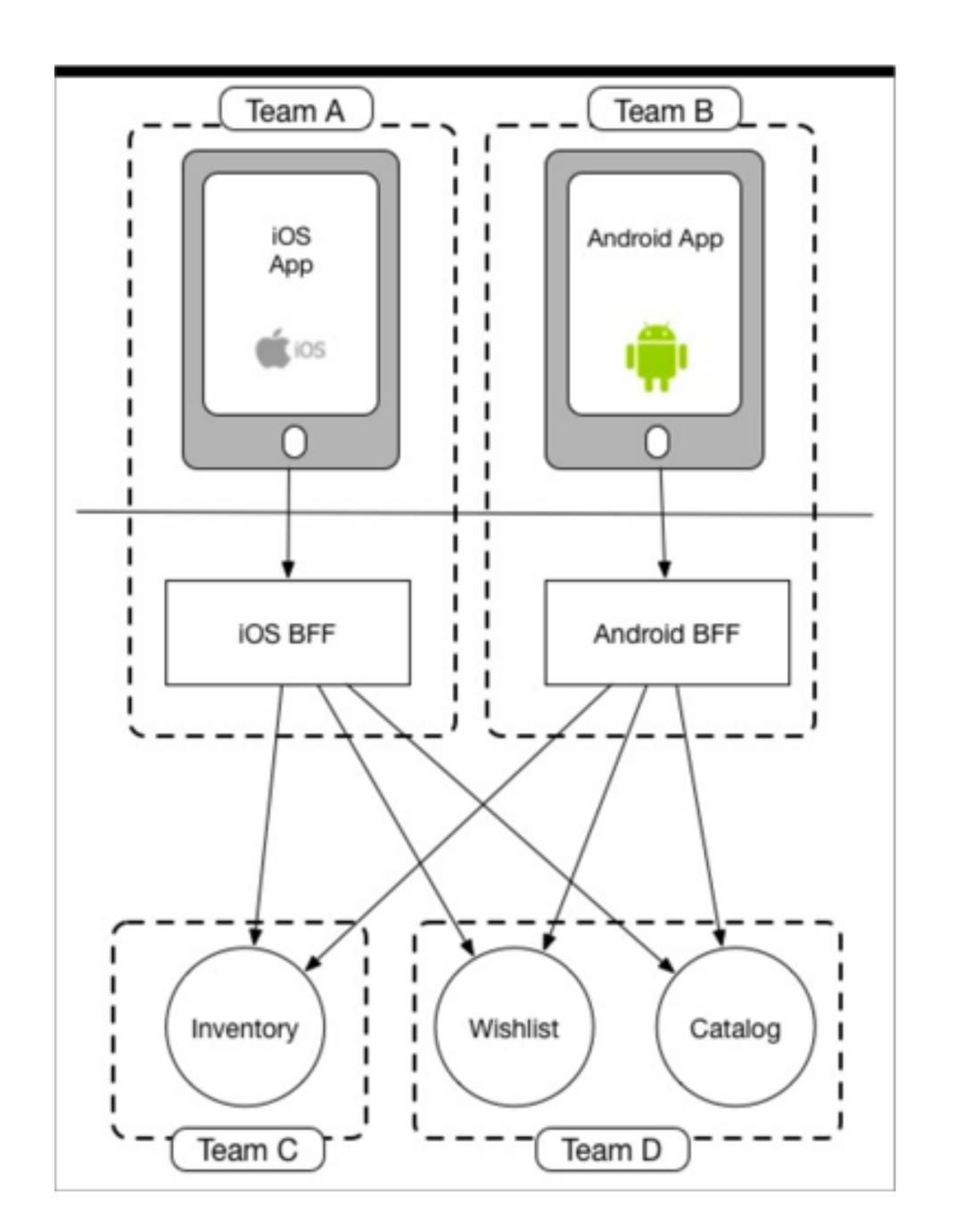
Step 1 Autonomous teams

Step 2 Loosely coupled architecture

Microservices

Microsites

Backends for Frontends



Step 3

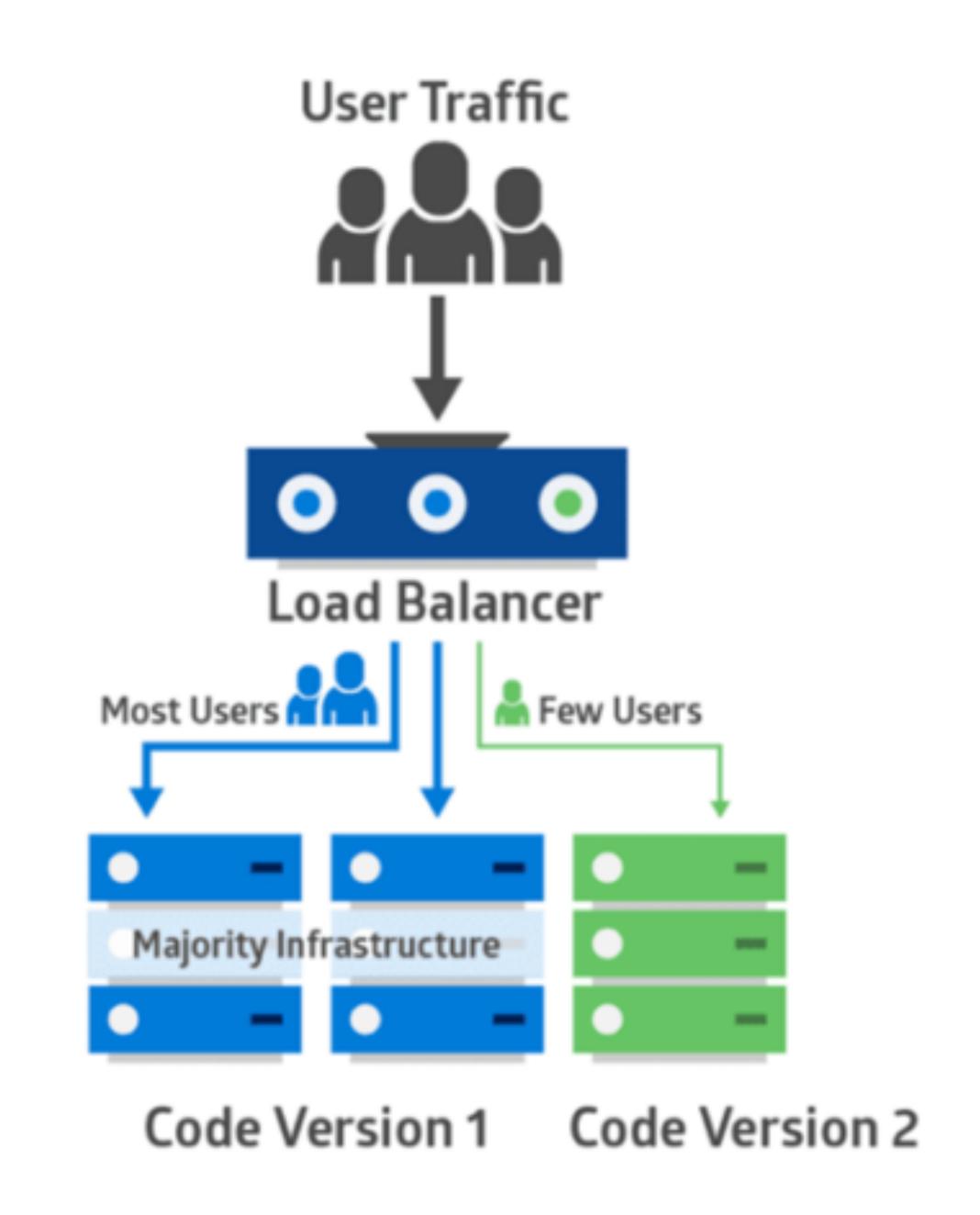
Invest into automation and tooling

Continuous Integration

Continuous Deployment

+

Canary



Experimentation

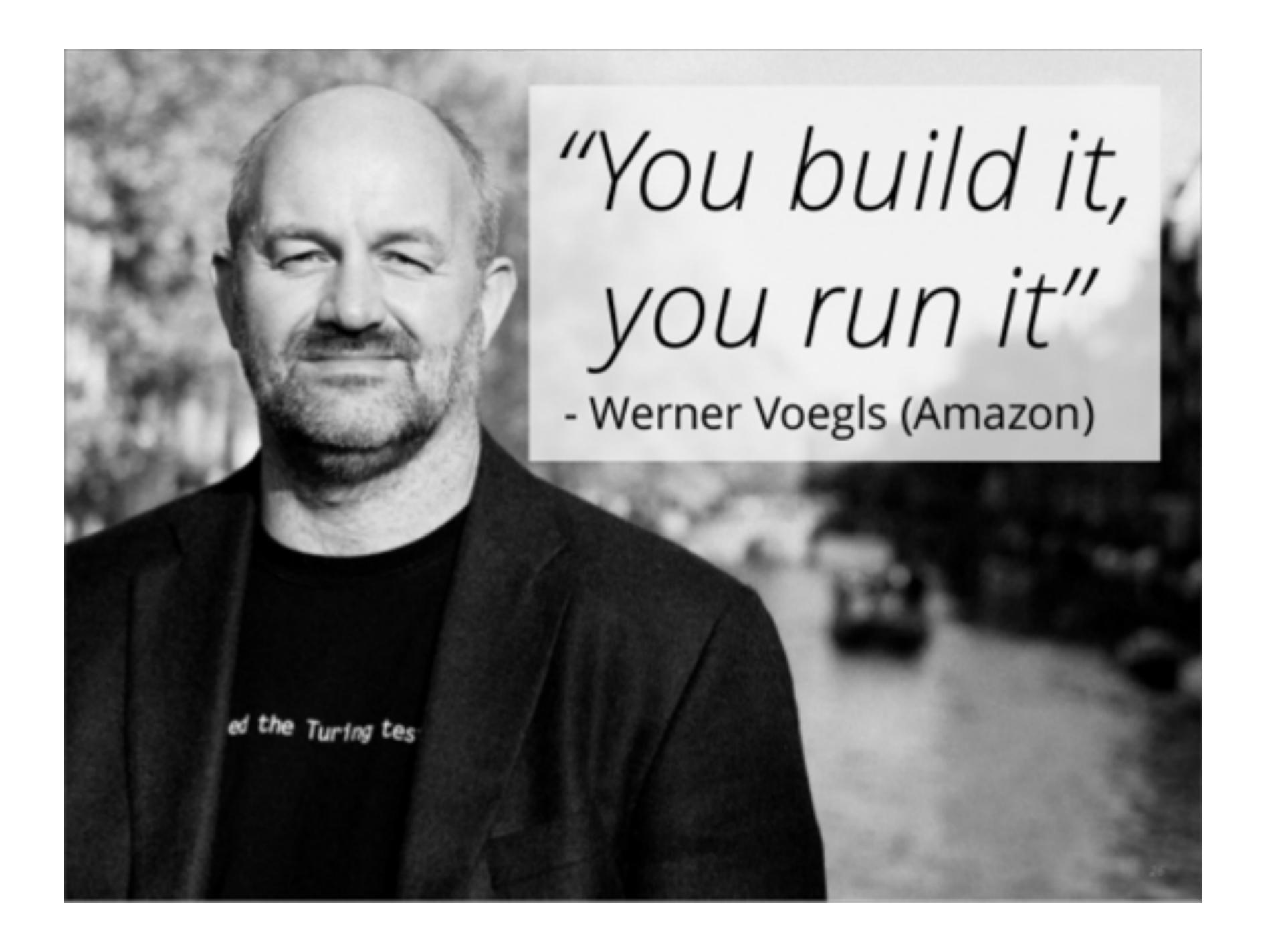
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Feature flags

Step 4 No handoffs between dev and QA

Step 5

No handoffs between development and operations



Where are we now?



Thank you.

JAKUB KADLUBIEC • @jakubkad

