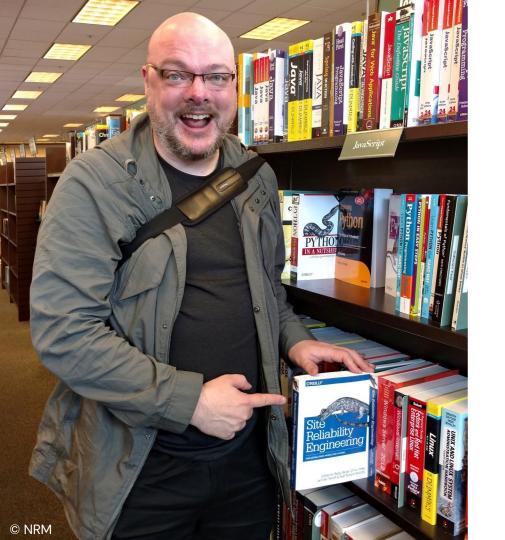
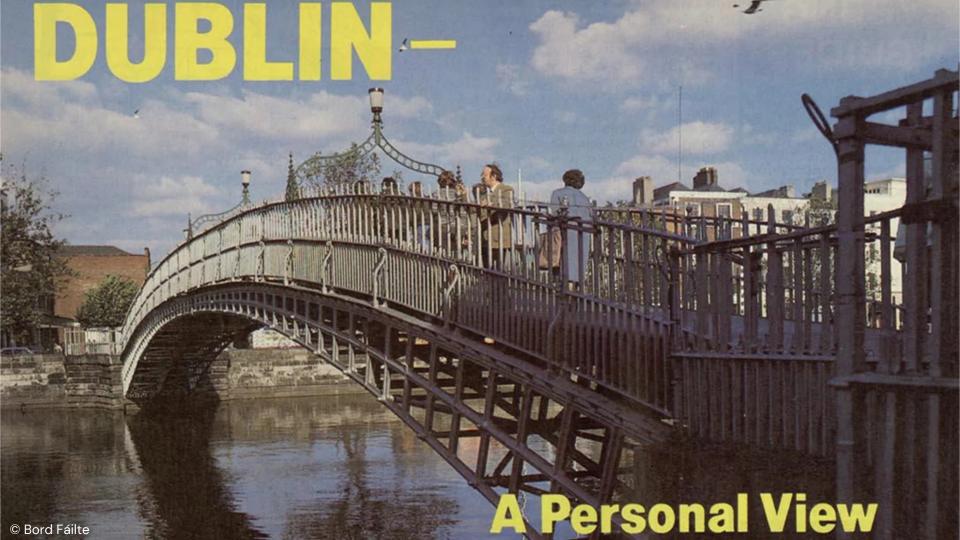
© NRM/Midjourney 20 Years of SRE **years** of SRE 20 years stanza Niall Murphy











Google from outside









Putting the slightly less terrible thing in place just long enough to get to tomorrow's terrible thing





- 1: SRE via Ben Treynor-Sloss (and Mieke Bloomfield)
- 2: "No playbook-only practitioners"
- 3: "SRE? Never heard of it" Production-team

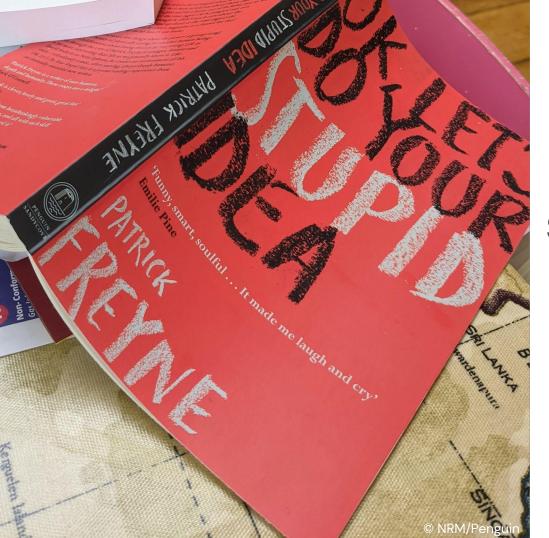




SRE (teams) are everywhere



SRE material continues to sell well



SRE ideas have penetrated general engineering consciousness

Forty-Six Percent Of Google's SRE Principles Apply Directly To Your Enterprise — What About The Rest?

Chris Gardner, VP, Research Director

MAY 16 2019

When Google published its <u>Site Reliability Engineering (SRE) book</u> — a detailed look at how it keeps production systems running — Forrester started getting a lot of questions. "Should I do this in my enterprise IT shop?" "I'm no unicorn — can I even do these things?" And perhaps most important: "What parts of the book are relevant?"







To answer these, we broke SRE down into 24 principles spread across six categories: service delivery, feature velocity, automation, monitoring, reliability, and architecture. We then spoke with clients implementing SRE. We discussed their objectives, successes, and setbacks. We also talked with vendors guiding customers' implementations — including Google to get its take.



What we found is that you can apply most of Google's advice — with some tweaking. I highly recommend reviewing the detailed analysis <u>in our new report</u>. To sum up the findings:

SRE ideas have penetrated general business consciousness

(E.g.: Gartner, Forrester)

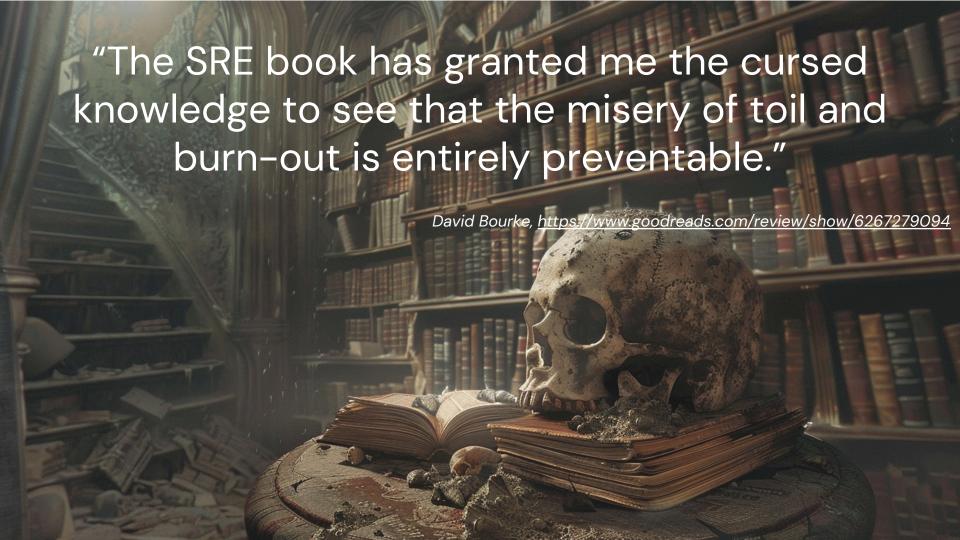
"By 2027, 75% of enterprises will use site reliability engineering practices across their organizations to optimize product design, cost and operations to meet customer expectations, up from 10% in 2022."

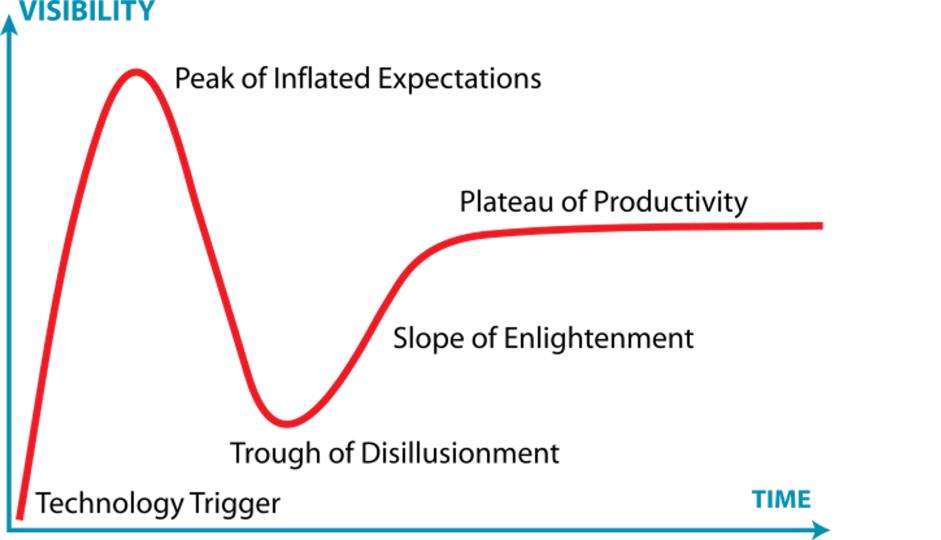


Ukraine's Future / Minimum-Wage Wars / Wes Anderson CODE RED_ Inside the nightmare launch of HealthCare.gov and the team that figured out how to fix it BY STEVEN BRILL

SRE and ethics



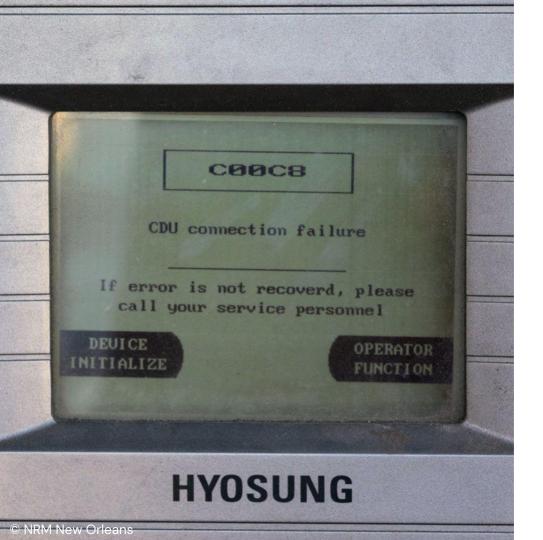








Career pipeline needs attention



A number of failed SRE implementations in companies whose names you've heard of

(Doing SRE is hard)



Widespread mishandling, dilution, problems with what the term & role means

(*and sometimes too much worrying about it)



© NRM Hotel Indigo, London



Neither generating nor applying (mathematical) models often and widely enough

Still unable to put generic numeric framework(s) on how much our work matters



ZIRP-no-more may undermine several of the abstract economic bases for caring about reliability



Doctrine overtaking reality-oriented pragmatism, flexibility, ... engineering?



"Operations is low status" battle is not yet won

The radical idea that it is legitimate to

apply software techniques and systems

thinking to the operations domain.

Still radical

Still radical







Thank you!

hello@stanza.systems



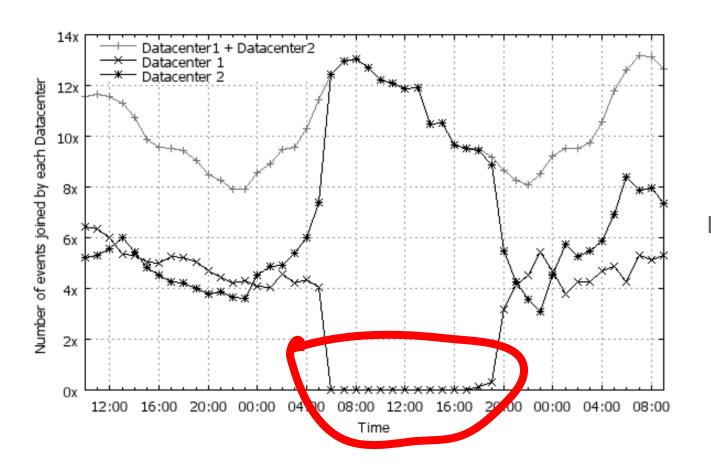




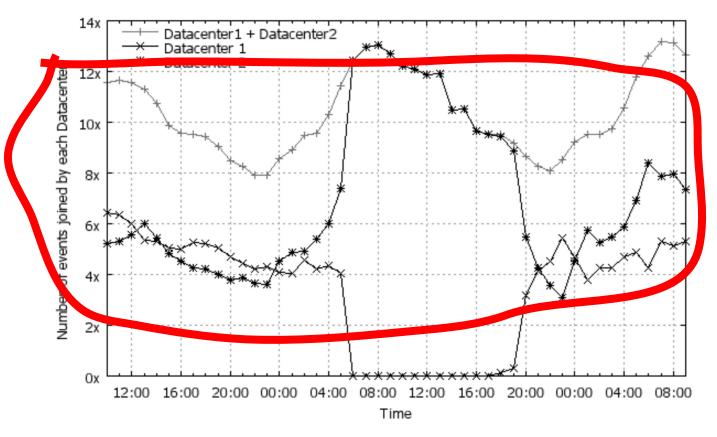
Thankfully, the SRE book is not a prescriptive list of naive practices. The SRE book provides a framework for defining system performance & reliability, along with case studies that illustrate how this framework can be applied. The SRE book defines a terminology for concepts of system reliability and failure that can provide clarity in any discussion, regardless of whether or not you agree with the overall SRE framework. For this reason, I consider this book required reading for anyone who works on services that are expected to be available 24/7.

https://www.goodreads.com/review/show/6267279094

The SRE book has granted me the cursed knowledge to see that the misery of toil and burn-out is entirely preventable.



Do we only have value here?



What about here?



Standing back, the big picture is growth

- Production-team to SRE
- Ben Treynor-Sloss interview
- Book release
- Wider IT landscape involvement

Dec 31, 2005	5,680	2,659	88.02%
Dec 31, 2004	3,021	1,393	85.57%
Dec 31, 2003	1,628	946	138.71%
Dec 31, 2002	682	398	140.14%
Dec 31, 2001	284	-	-

10,700

5,020

88.38%

Dec 31, 2006



