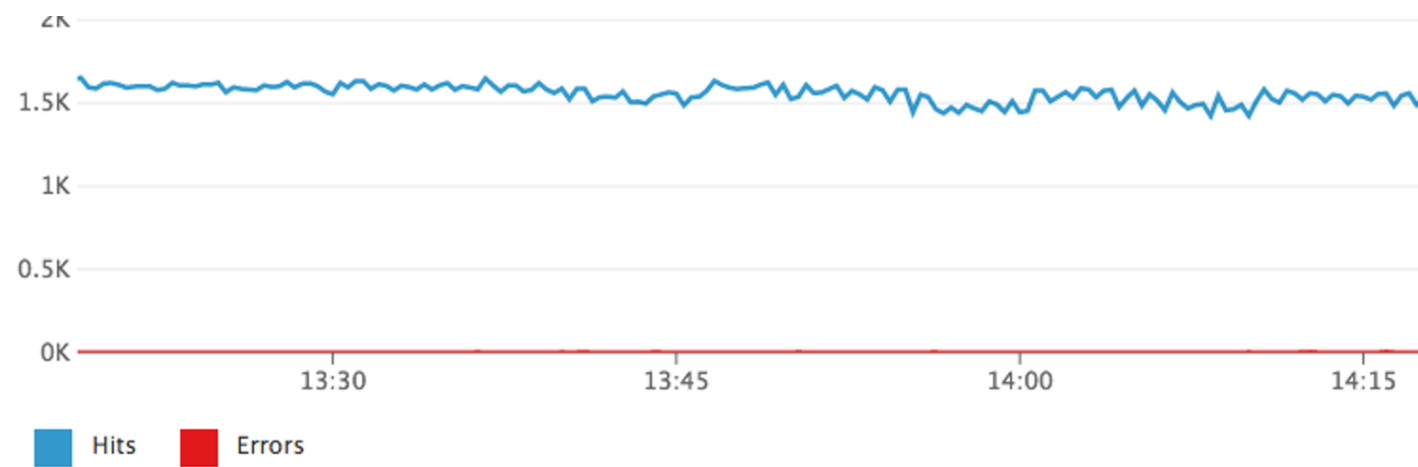


Daniel "phrawzty" Maher

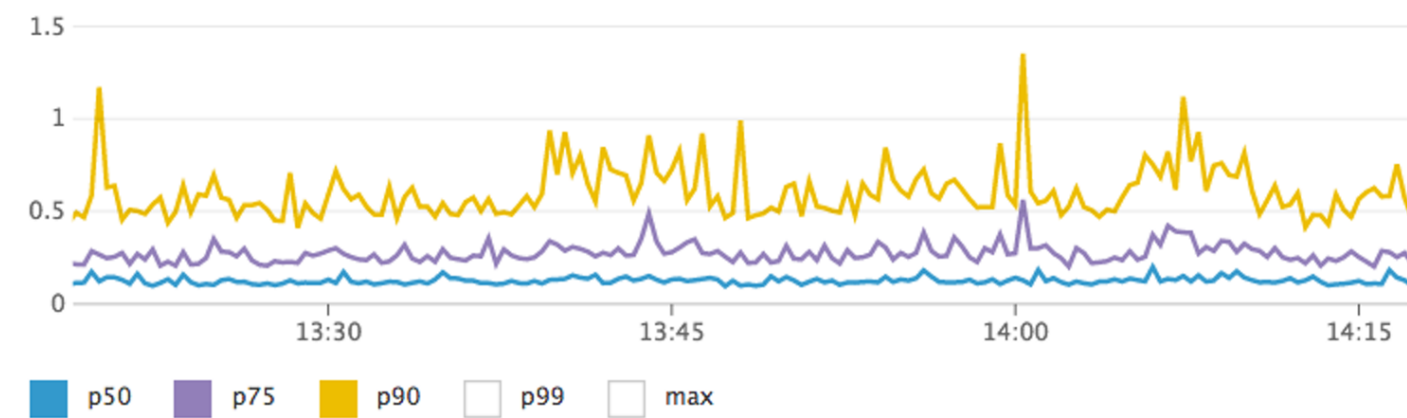
Datadog

Demystifying

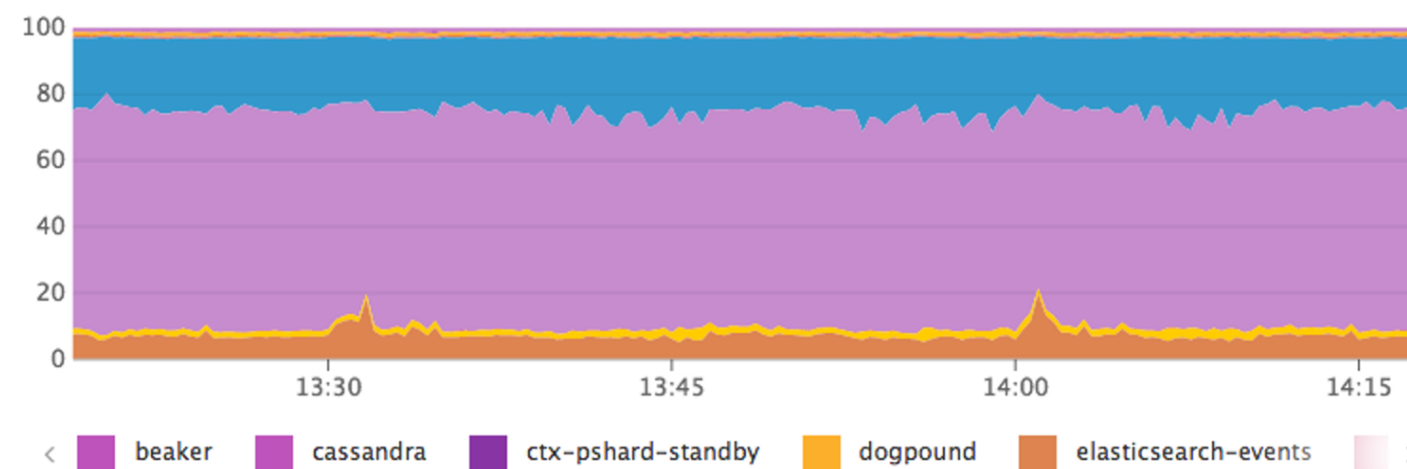
DevOps & SRE



Errors per second ▾ 1.14k total (0.018 %)



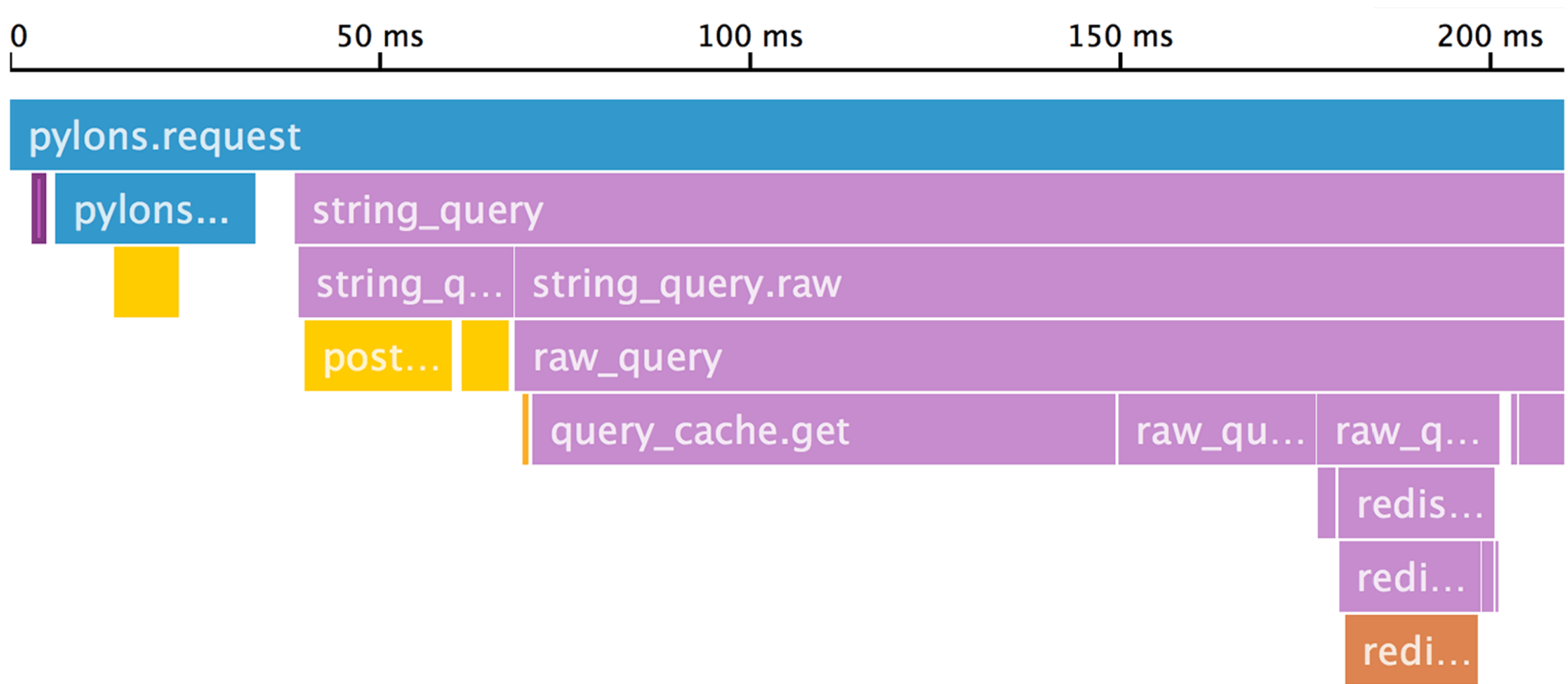
Percent of time spent ▾ by service ▾



Latency Distribution

p90 p95 p99 All





Service ▼

% Total Time ▼

metric-query

53.4%



web-query

30.4%



Topics

1. Clear up confusion about DevOps and SRE mean.
2. Discuss team and organisational structure.
3. Tips on finding and growing SRE talent.
4. Practical suggestions—and pitfalls!

Topics

1. **Clear up confusion about DevOps and SRE mean.**
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DevOps: CAMS

- Culture
- Automation
- Measurement
- Sharing



Site Reliability Engineering

HOW GOOGLE RUNS PRODUCTION SYSTEMS

Topics

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Organising your organisation

- Product teams
- Squads
- Guilds

Product Teams



Squads



Guilds



DevOps is an idea; SRE is a practice

- A cohort of Site Reliability Engineers, organised and managed as a group, form an SRE team.
- SRE teams are versatile!
 - Code reviews, incident reports, facilitate post-mortems
 - Support a dedicate portfolio or a product team
 - Individual SREs may rotate in and out of projects / sprints (or not!)

Topics

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SREs have personalities

- Patience for staring at code
- Enjoy problem-solving
- Capacity for self-teaching
- Wide range of technical interests
- Great at communicating in different ways
- Big on teamwork and mutual trust
- Interested in mentoring / teaching

SREs have backgrounds

- Traditional “ops” or “dev” profiles
- Customer success agent
- PhD in computer science
- Dropped out of high school

Great SRE talent can come from anywhere!

Topics

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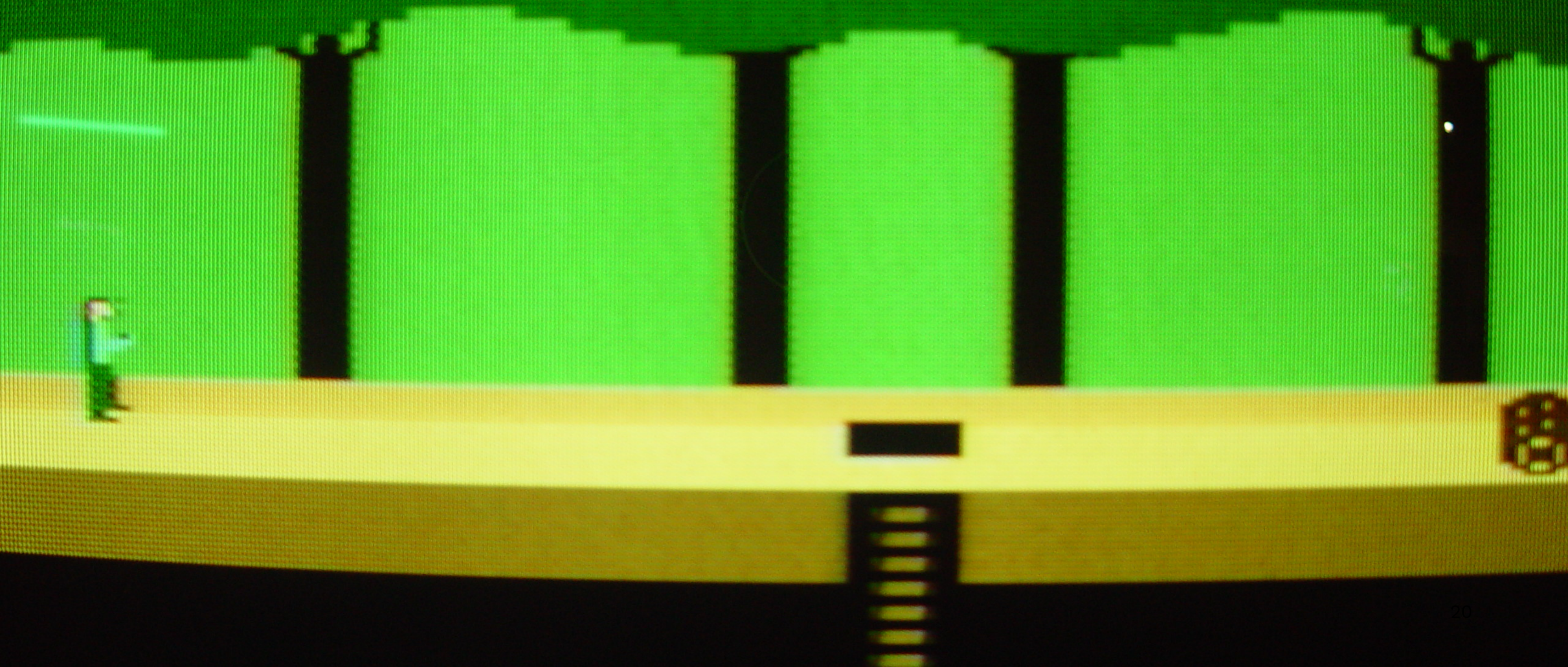
SRE: Standalone? Embedded? Other?!

- Depends on your organisation and your realities.
- Try a few different things—see what works!
- This is where the CAMS acronym comes into play.

**Archaeology is the search for
fact — not truth. If it's truth
you're looking for, Dr. Tyree's
philosophy class is right down
the hall.**

— Indiana Jones

11 20:00



Topics, reprised

1. Clear up confusion about DevOps and SRE mean.
2. Discuss team and organisational structure.
3. Tips on finding and growing SRE talent.
4. Practical suggestions—and pitfalls!

Thanks!

