

Life in a Medium Sized Rails App

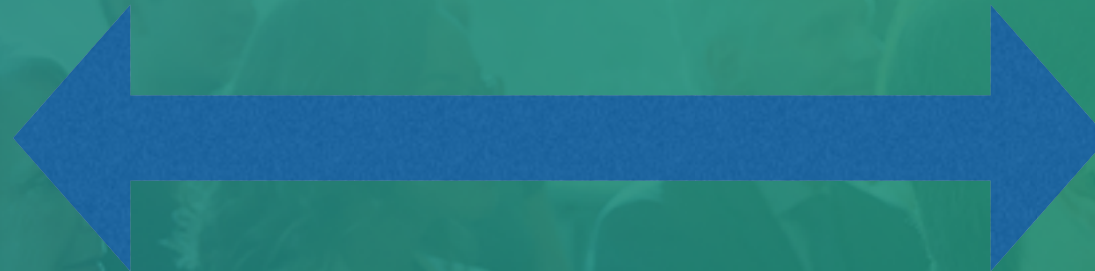
Mario Fernandez

Agenda

- Medium what?
- One such example (*Hint: Bottom right corner*)
- Architecture
- Tools
- People

Experiences that you usually read about

One Person / Team
Relatively small



Google, Facebook
Huge Scale
Custom solutions

What
about the
middle?

For example ... XING

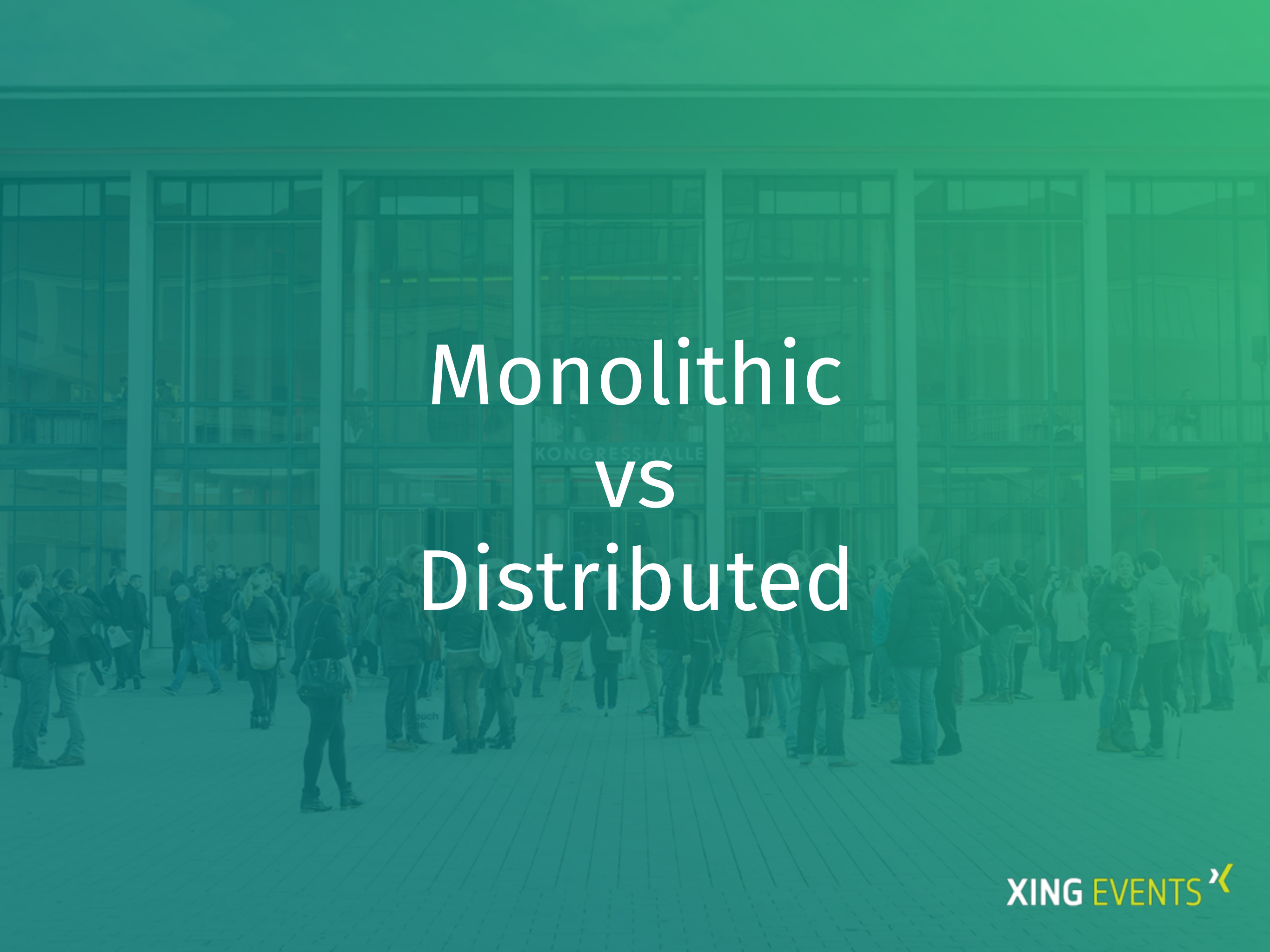
- ~ 14M users
- #51 in Germany (Alexa)
- > 200 RoR developers



Multiple Offices



Architecture



Monolithic vs Distributed

Network of Applications

- Lots of internal traffic
 - REST API
 - AMQP Messages
- Synchronisation effort
 - Shared gems
 - Shared styles

Many Technologies



Releasing

- Continuous Integration
- Coordination required for big releases
- Backwards compatibility is key

Tools

A group of people in a meeting room, with a green overlay and a quote about developer opinions.

“If you put n developers in a room, 2^n opinions about tools will come out of it”

Github

- **PR is king**
- Knowledge sharing
- Bug spotting
- Inter-Team Collaboration

The screenshot shows the GitHub interface for the 'events-team / events' repository. At the top, there are buttons for 'Unwatch', 'Unstar', and 'Fork'. Below this, there are tabs for 'Pull requests', 'Labels', and 'Milestones'. A search bar contains the filter 'is:pr is:open'. A green button labeled 'New pull request' is on the right. The main section displays a list of pull requests with columns for checkboxes, status (Open/Closed), author, labels, milestones, assignee, and sort. Three pull requests are visible:

| | Author | Labels | Milestones | Assignee | Sort |
|---|--------|--------|------------|----------|------|
| <input type="checkbox"/> use differ sco and channel for ads on recos tab ✓ #1357 opened an hour ago by yuliya-tsukanava | | | | | 1 |
| <input type="checkbox"/> Add topic ambassador link to discovery page #9632 ✓ #1356 opened 6 hours ago by nils-gemeinhardt | | | | | 1 |
| <input type="checkbox"/> 9418: load ticket shop asynchronously ✗ #1353 opened a day ago by mario-fernandez | | | | | 6 |

Testing

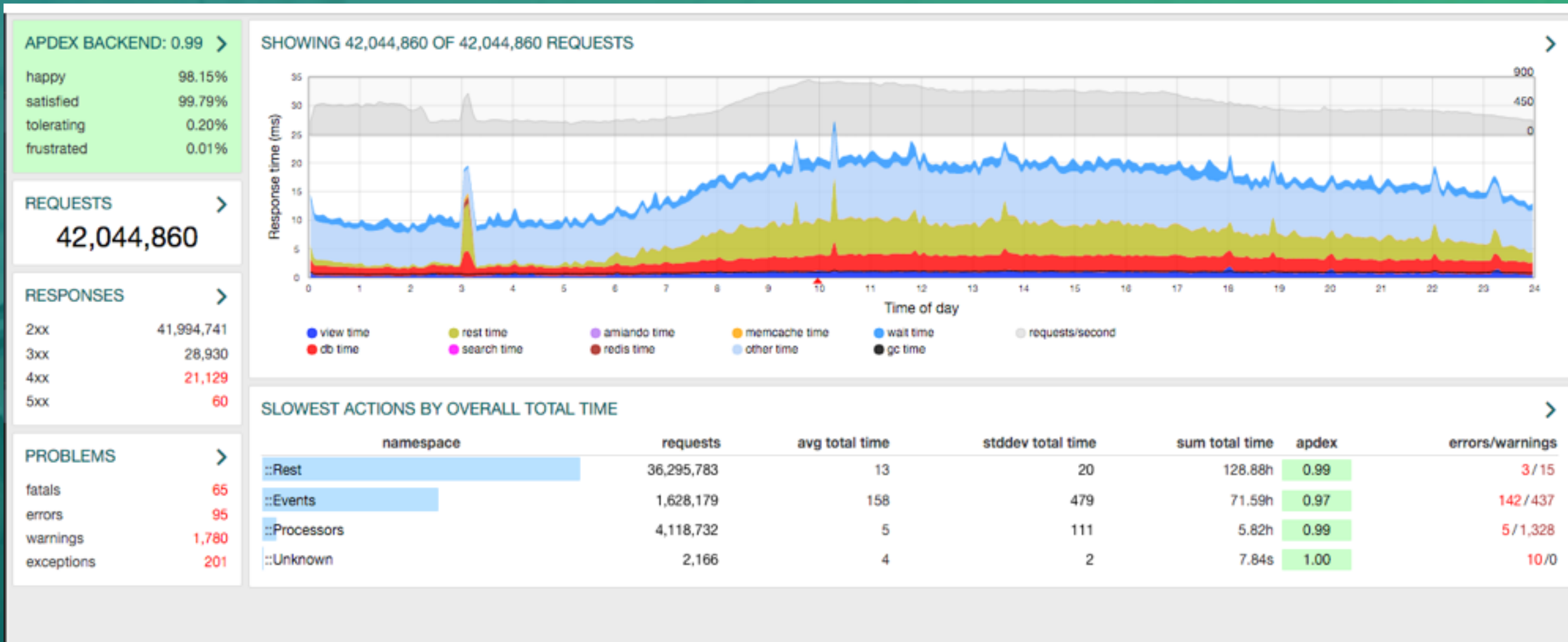
Automated Tests

- It's 2016, no need to argue about the need of automated tests.
- Depending on many other apps forces you into a lot of mocking.
- *Bonus*: JS Unit Tests.

Test environment

- Too big to fit in a developer's machine.
- One test system for everybody is very limiting.
- *Solution*: Sandboxes for each developer.

Monitoring



People

Communication

- HipChat
- Email
- Mailing Lists
- **Finding:** Face-to-Face meeting can help *immensely*



Questions?