

# Reliability Nightmares

The coloring book



Script and storyboard by Máirín Duffy Illustration by Wildfire Concept and technical information by Jeremy Eder, Irit Goihman, David Martin, and Craig Robinson















- 1. We need to break down the silos between each role with regular open communication.
- 2. We must be in consensus about the level of service we provide.
- 3. We enforce accountability by measuring causes of issues and working to address them.

How do we do it?

- 4. We need to prioritize our work ...
- 5. ...so we can keep our customers happy!

You need to know your equipment works, your food supplies are fresh and stocked, and that customers are served in a timely manner. You need data to achieve all of this.

![](_page_9_Picture_0.jpeg)

![](_page_10_Picture_0.jpeg)

![](_page_11_Picture_0.jpeg)

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![](_page_17_Picture_0.jpeg)

![](_page_18_Figure_0.jpeg)

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![](_page_19_Picture_0.jpeg)

![](_page_20_Picture_0.jpeg)

![](_page_20_Picture_1.jpeg)

![](_page_20_Picture_2.jpeg)

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![](_page_24_Picture_0.jpeg)

![](_page_24_Picture_1.jpeg)

Out of 200 guests, four sent their steaks back—and only one was outside of the error budget for doneness. Chef's steak SLO was met for the event!

![](_page_25_Picture_0.jpeg)

and dessert options based on the experience—both were a big hit at the event!

![](_page_26_Picture_0.jpeg)

![](_page_26_Picture_1.jpeg)

Gino's, the family restaurant, was saved, and became a much greater success. Leo's dad would have been proud!

#### Observability

#### 

Never tried to get metrics out of it Regularly enable new metrics for SRE team working closely with service development and product teams

#### Safety and self-healing

My codebase OOM kills routinely, oops.

My codebase checks for common preventable failures and avoids them.

#### Scalability

I have no idea of the capacity limits of my codebase in production.

My codebase's default deployment includes capacitylimit based auto-scaling and load shedding.

### Shifting left

I've never run my codebase in Production before. I work in a DevOps team that is regularly involved in production deployment and operations, and am directly responsible for its reliability.

#### Zero downtime upgrades

/ /

My codebase can gracefully handoff connections to a new upgraded version of my application and take those clients back in case of failure.

Check your score on the next page!

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So what's the operability of your codebase? For each of the five challenges...

![](_page_28_Picture_0.jpeg)

![](_page_28_Figure_1.jpeg)

![](_page_29_Picture_0.jpeg)

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## Stable, Secure, Performant, and Boring

red.ht/sre-coloring-book

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![](_page_30_Picture_3.jpeg)

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