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The LEGO Group's Edge Platform

Prioritizing the tricky stuff when building your platform

About me

Welcome! My name is Mads

A day in the life

I am the Lead Engineer for the **brand-new** Edge Platform Team, a product team that builds **business critical** stateful services for manufacturing

Microsoft SQL Server · redis · PostgreSQL · RabbitMQ

Mads Høgstedt Danquah

Lead Engineer

3 simple, concrete things you can do prioritize

- Relevance to users
- Reliability and trust
- Operational excellence

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Simple ≠ Low effort

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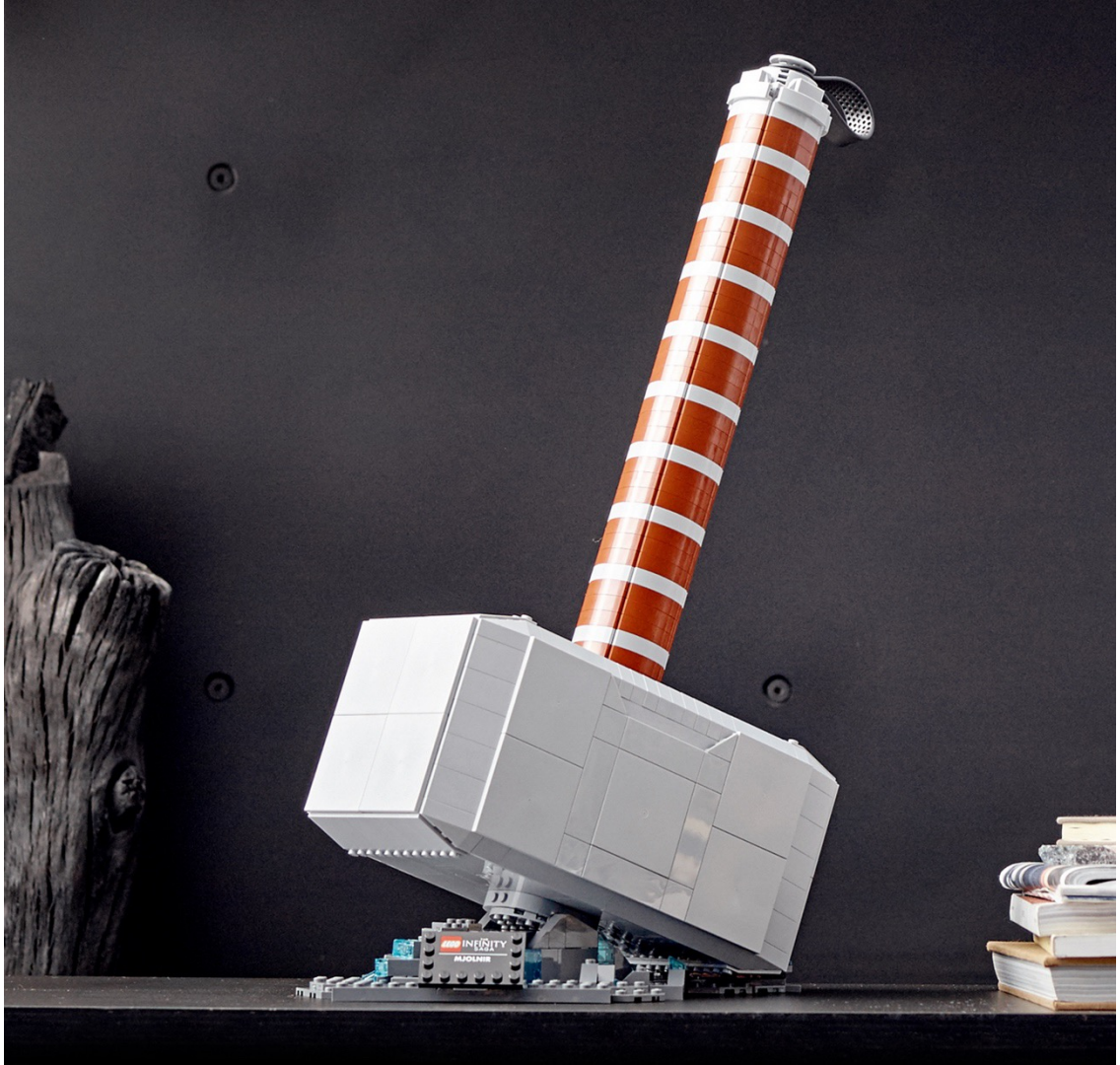
#1: Include your end-users in your internal demos

Outcomes

- Real and instant feedback
- Stronger connection with real end users

Will require you to embrace **vulnerability** and **curiosity**



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Chaos Engineering

Scientific method

- Form a **hypothesis** about how the system will **react** and (potentially) **recover** when exposed to stress.
- Perform an **experiment** where **failures** are injected into **production-like** system under **controlled** conditions.
- **Observe** the system before, under and after the experiment.
- **Analyse** and **conclude.**

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#2: Plan your chaos test with your end users

Outcomes

- Team and users get a good feel for the **actual** robustness of the product and build trust
- It encourages **curiosity** and **learning**
- Creates a safe space for discussions about what is Good Enough

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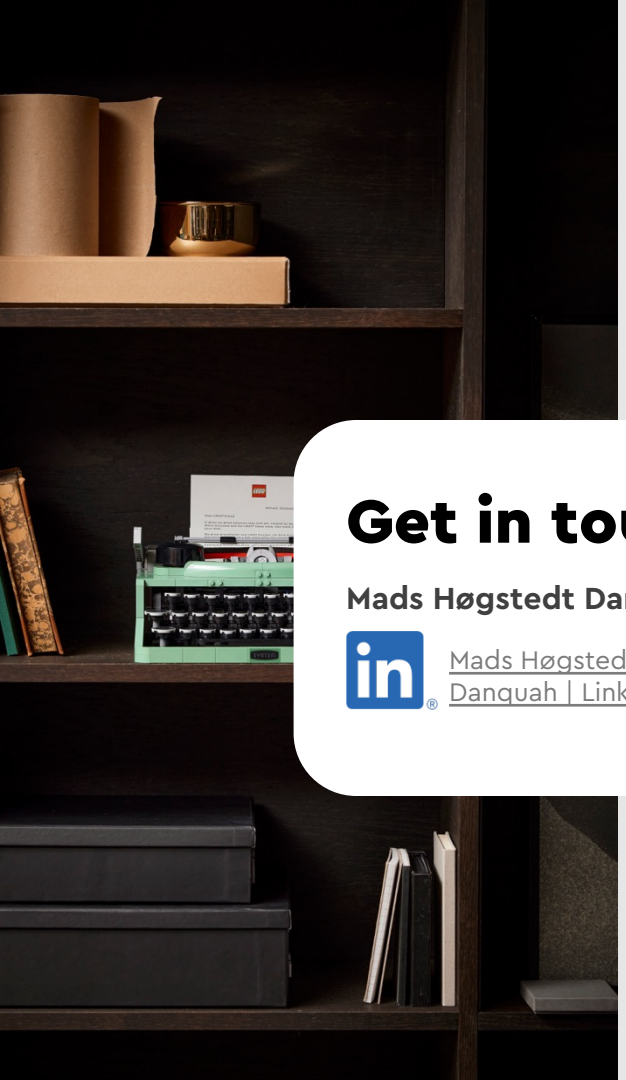
#3: “Experiment as you would operate”

Outcomes

- We learn how our system behaves when they fail in a **safe space**
- We build the tools and processes we will need on day 2
- We build relations to the teams that we will interact with during an incident



THANK YOU!

Get in touch

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Feedback

lego.com/earlycareers

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