



An MLOps introduction

What is MLOps and why is it important?

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Cloud Consultant



jamie.info()

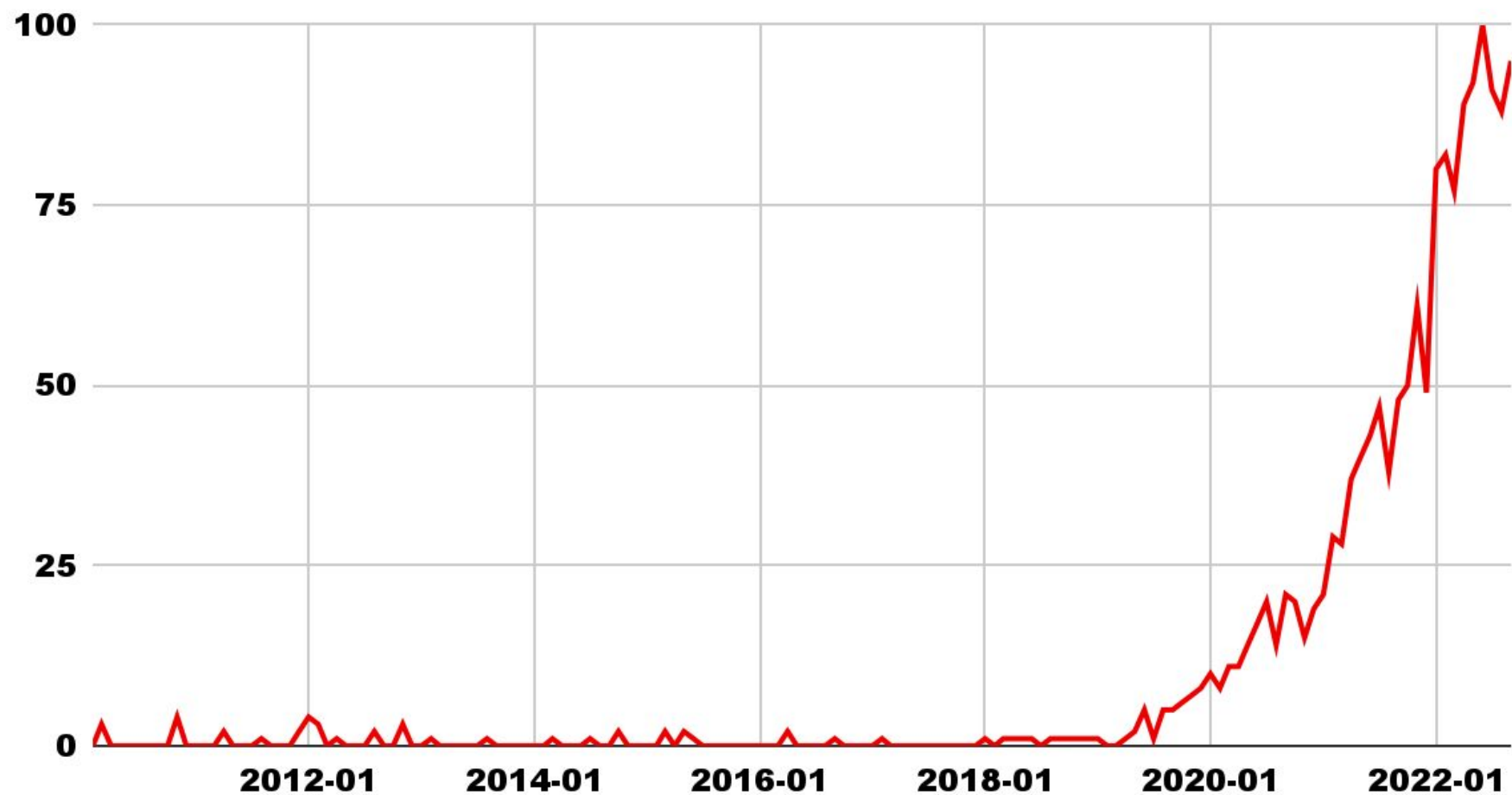
Jamie Hackett

Cloud Consultant | Customer Success

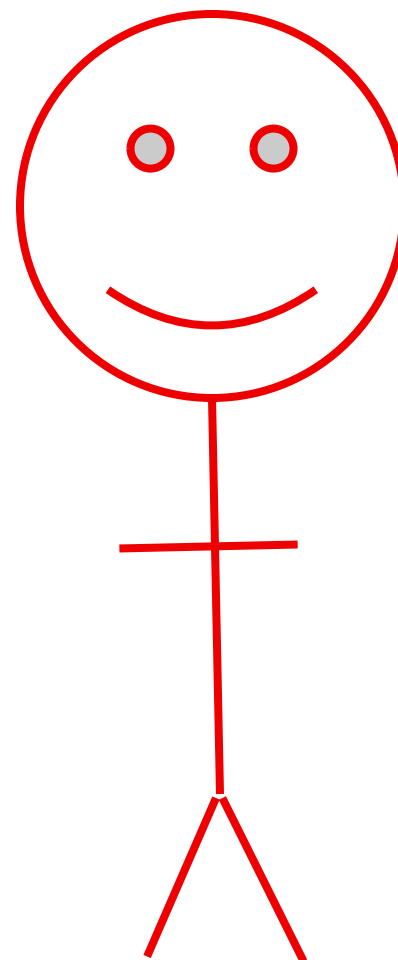


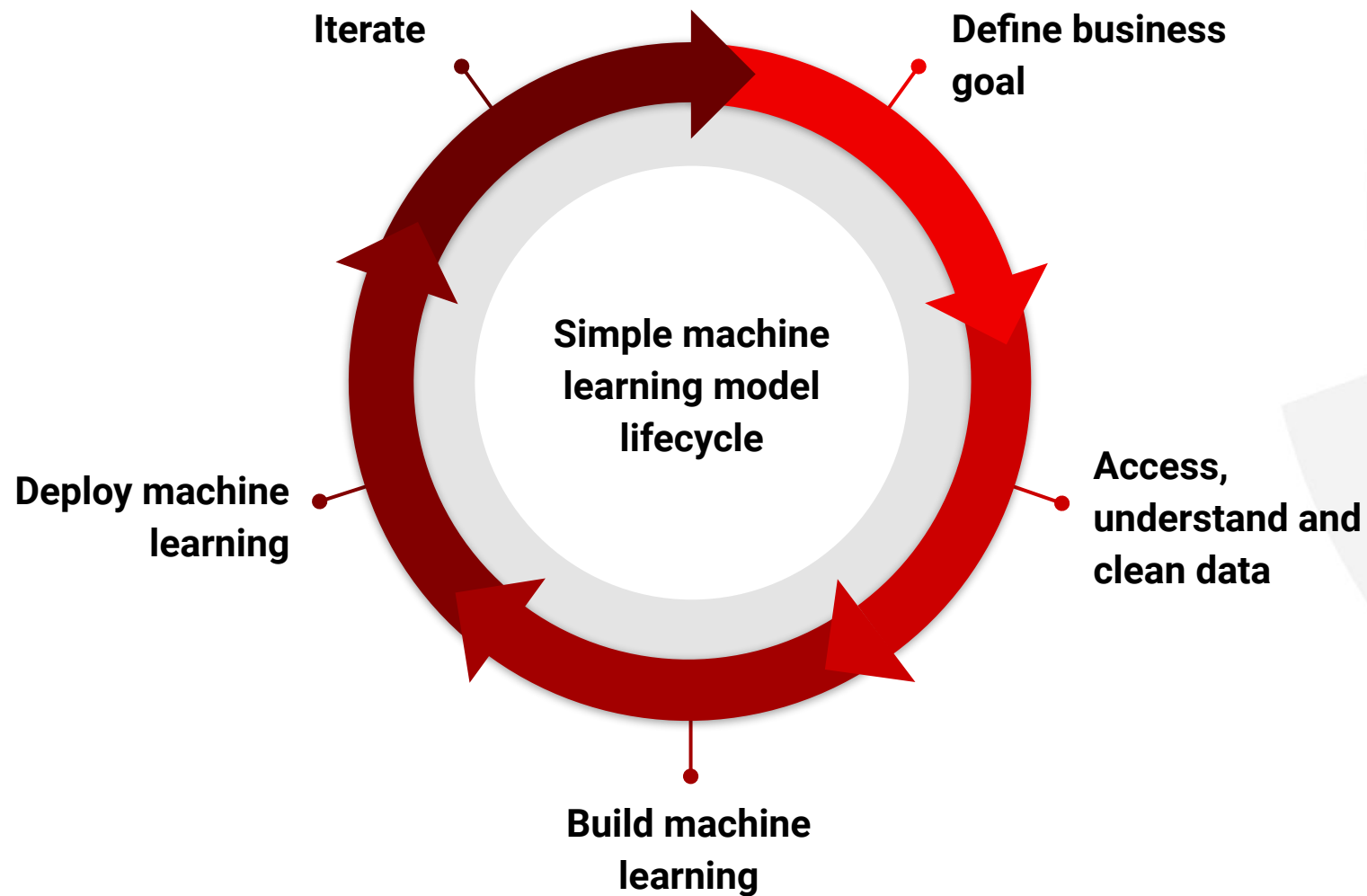
MLOps interest over time

Google Trends



This is Bob





MLOps

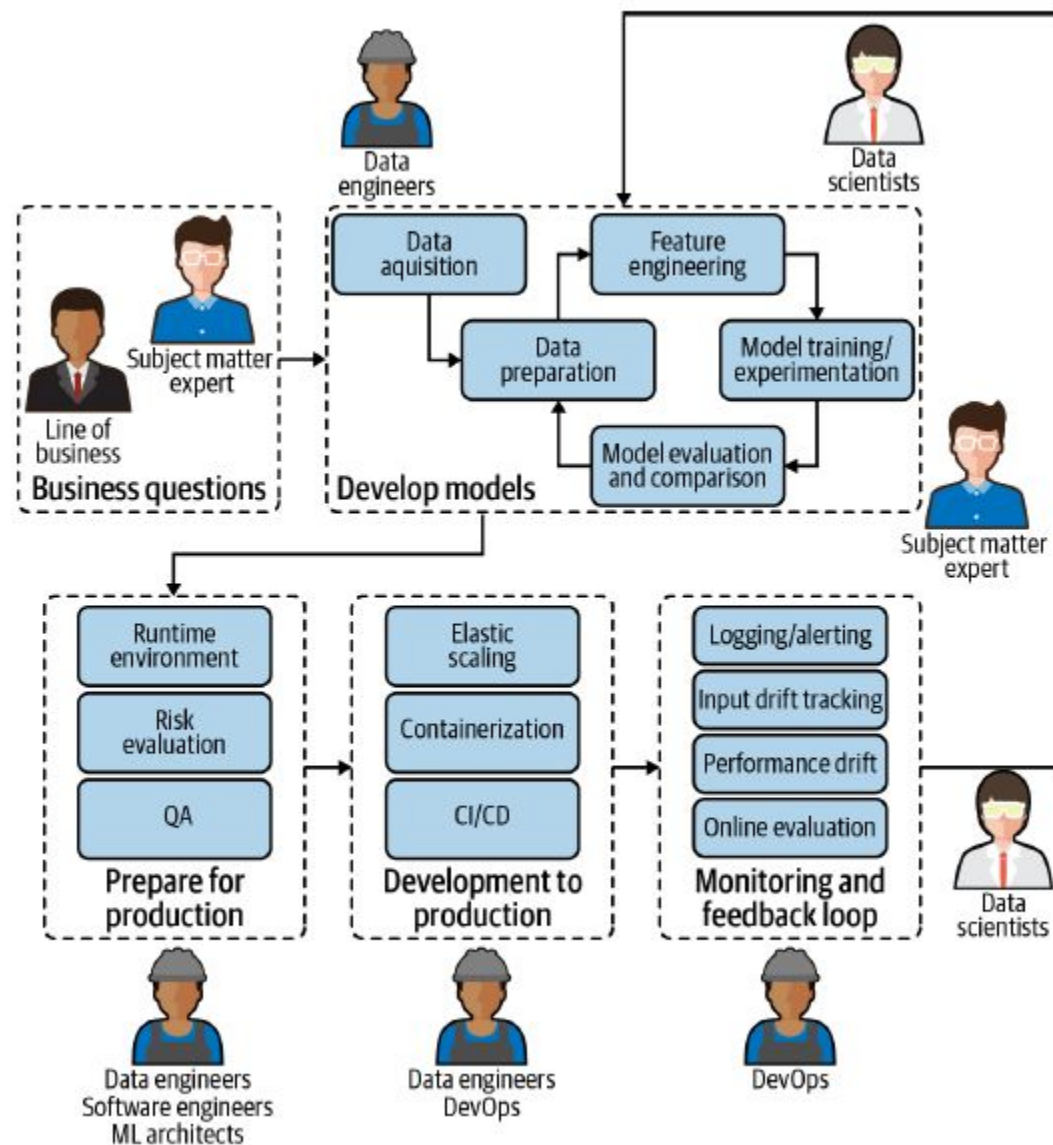
The **practices, culture, and tools...**
that aim to **reliably** and **efficiently...**
deploy and **maintain...**
AI/ML models in production...



Can you do AI/ML without thinking
about MLOps and be successful?

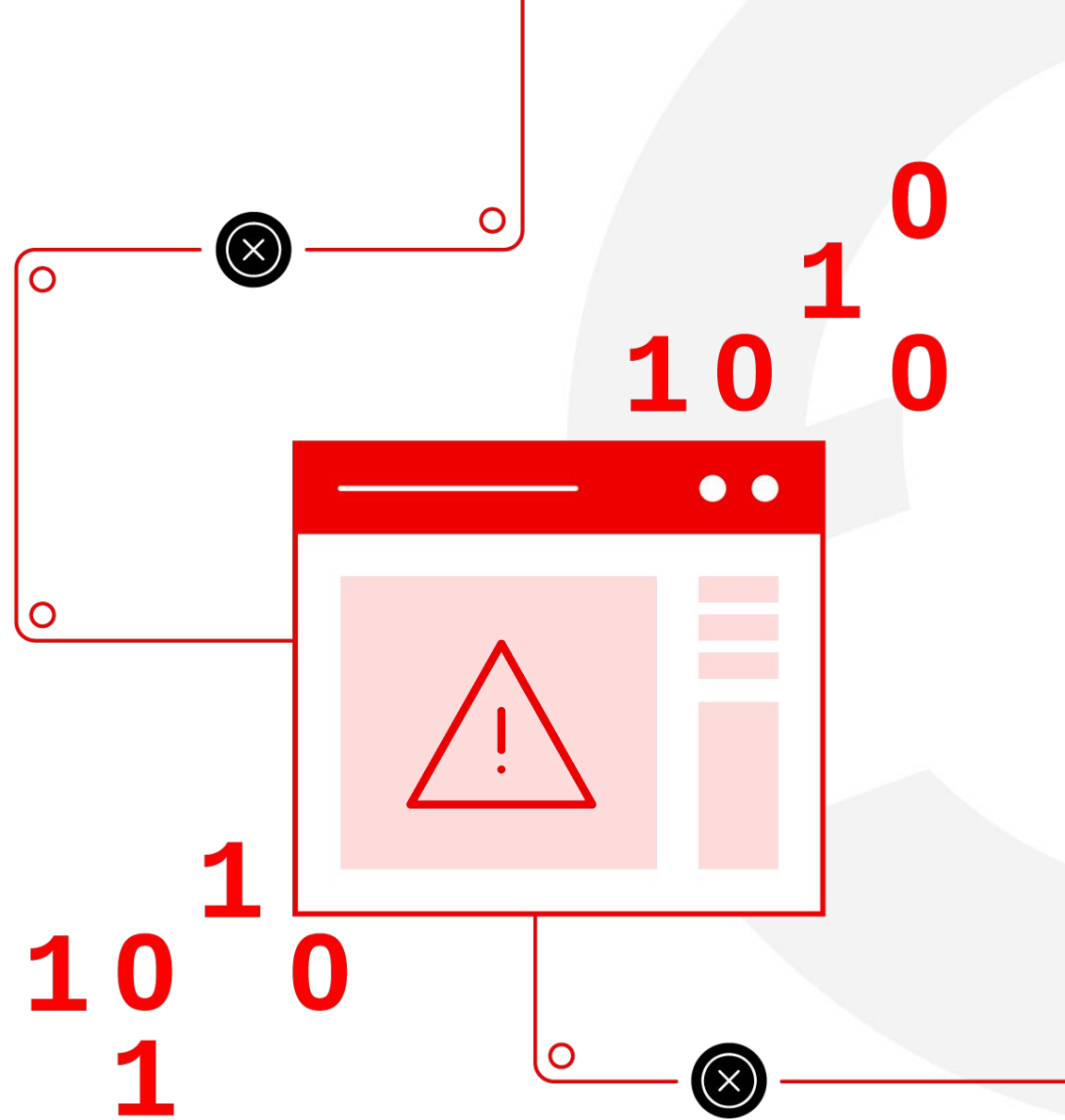
Yes, but...





Lack of automation leads to:

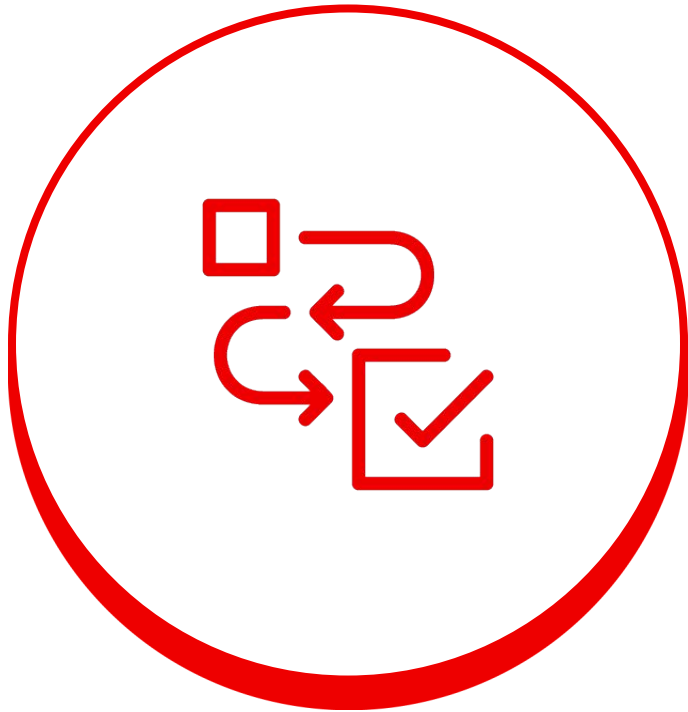
- ▶ Time-consuming processes.
- ▶ Error-prone steps.
- ▶ Issues with scaling.
- ▶ Lack of consistency.
- ▶ Decreased security.
- ▶ Lack of agility.



High-level implementation

MLOps

Just like DevOps, MLOps requires changes.



Multi-disciplinary teams

Cross-train on the basics.

Automation

Automate everything that can be automated.

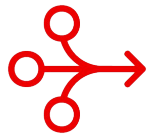
Patience

It's a gradual process, so it won't happen overnight.

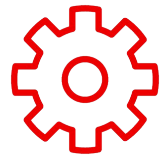
Metrics

Pair measuring and tracking with transparency.

Process and flow



Design the flow that
works for you



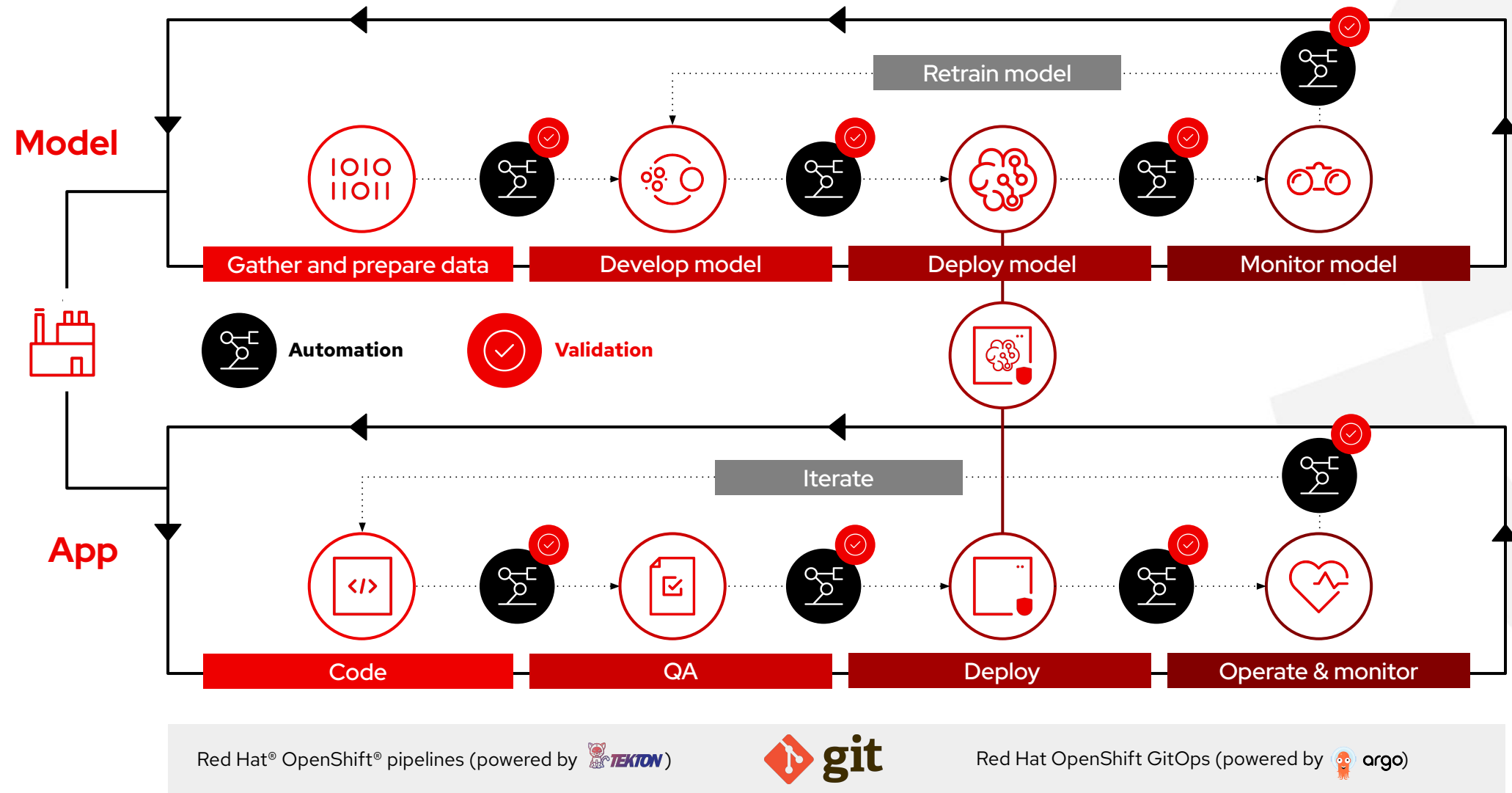
Ensure it's
automated



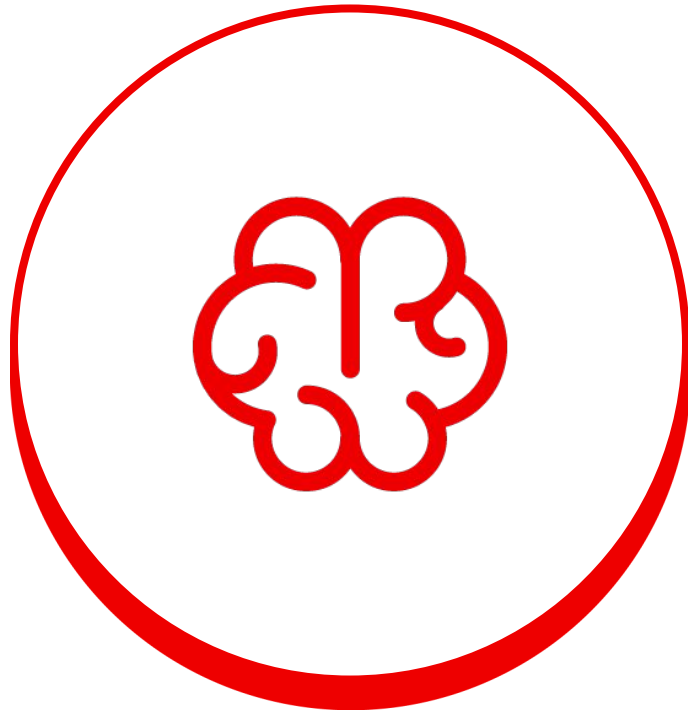
Measure and validate
everything



Make it easy to
experiment safely



Additional resources



Introducing MLOps - O'Reilly Book

<https://www.oreilly.com/library/view/introducing-mlops/9781492083283/>

MLOps: What It Is, Why It Matters, and How to Implement It - Neptune AI

<https://neptune.ai/blog/mlops>

MLOps - Guides around implementation & governance

<https://ml-ops.org/>

Thank you

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