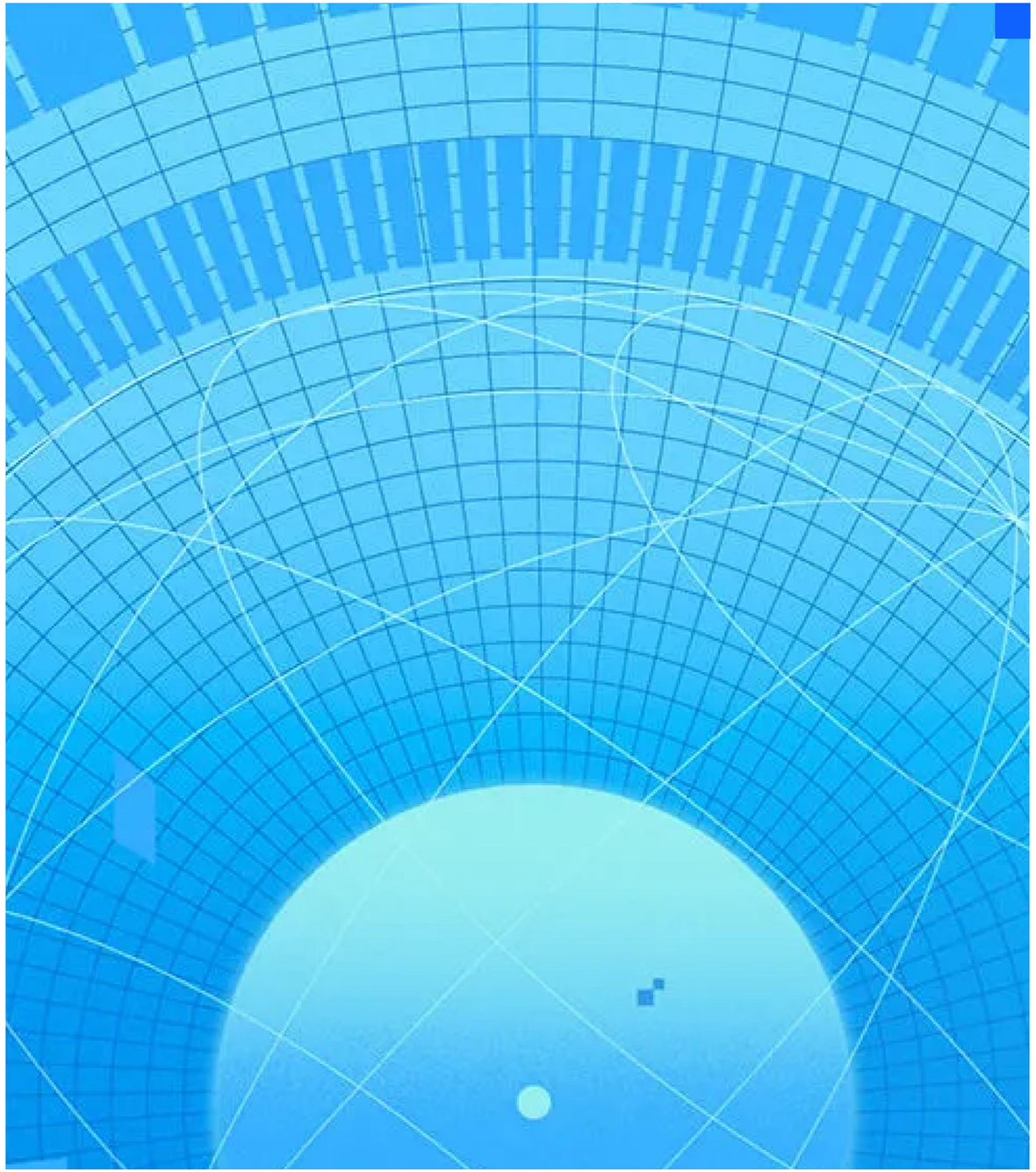
Developing responsible AI solutions

Neera Mathur
Distinguished Engineer, CTO Trusted Data & Privacy Engineering Strategy & Solution
IBM



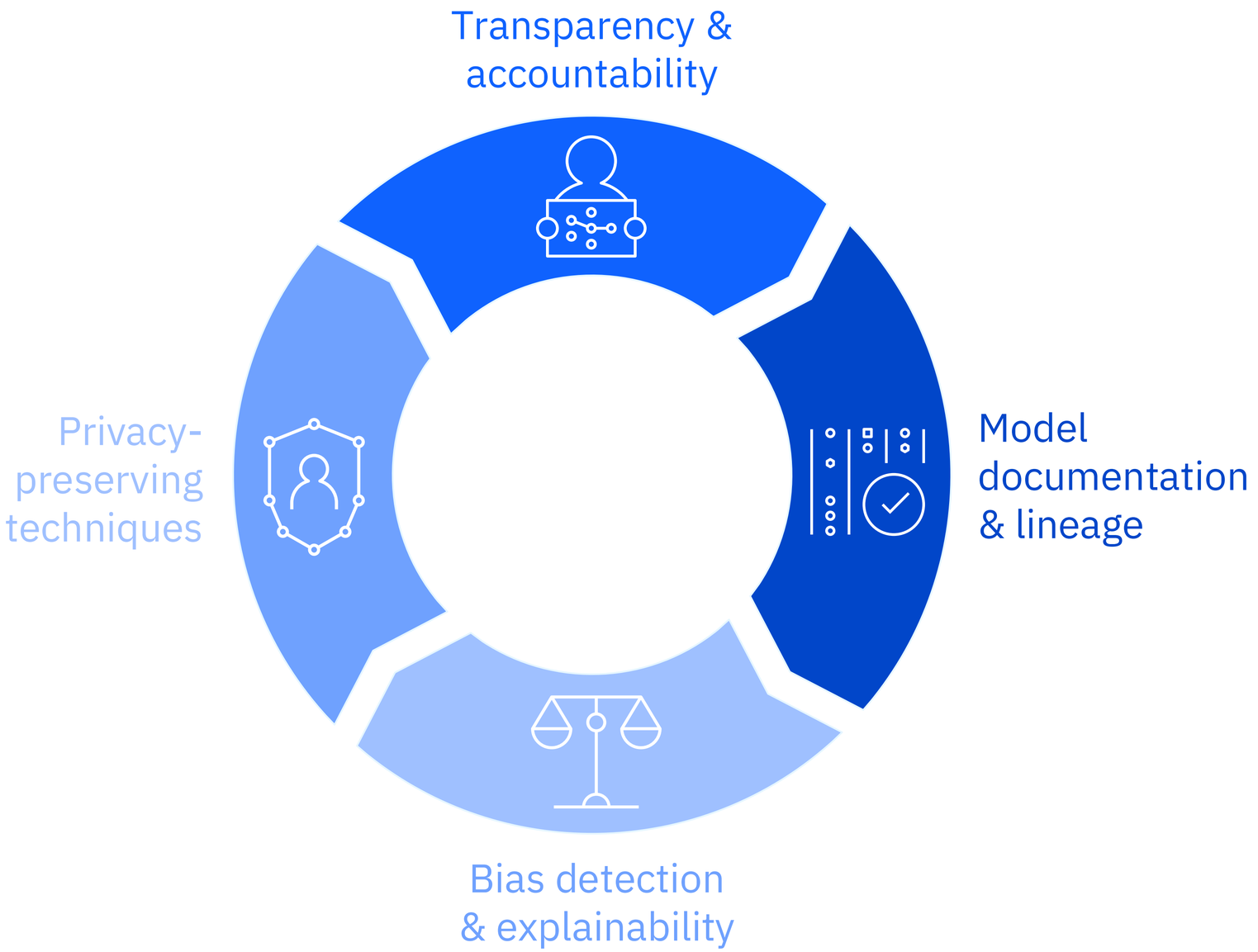
Why responsible AI matters

1 AI innovation vs. AI risk

2 Developers are key to ethical systems

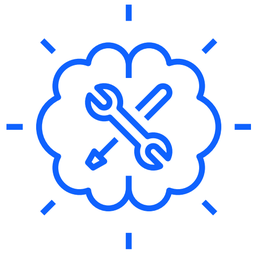
3 Real-world consequences (bias, privacy violations, non-compliance)

IBM’s Integrated Governance Program



Developer-centric approach

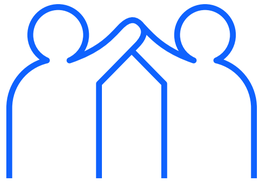
Shift-left on ethics



Embed governance tools early

Collaborate across roles

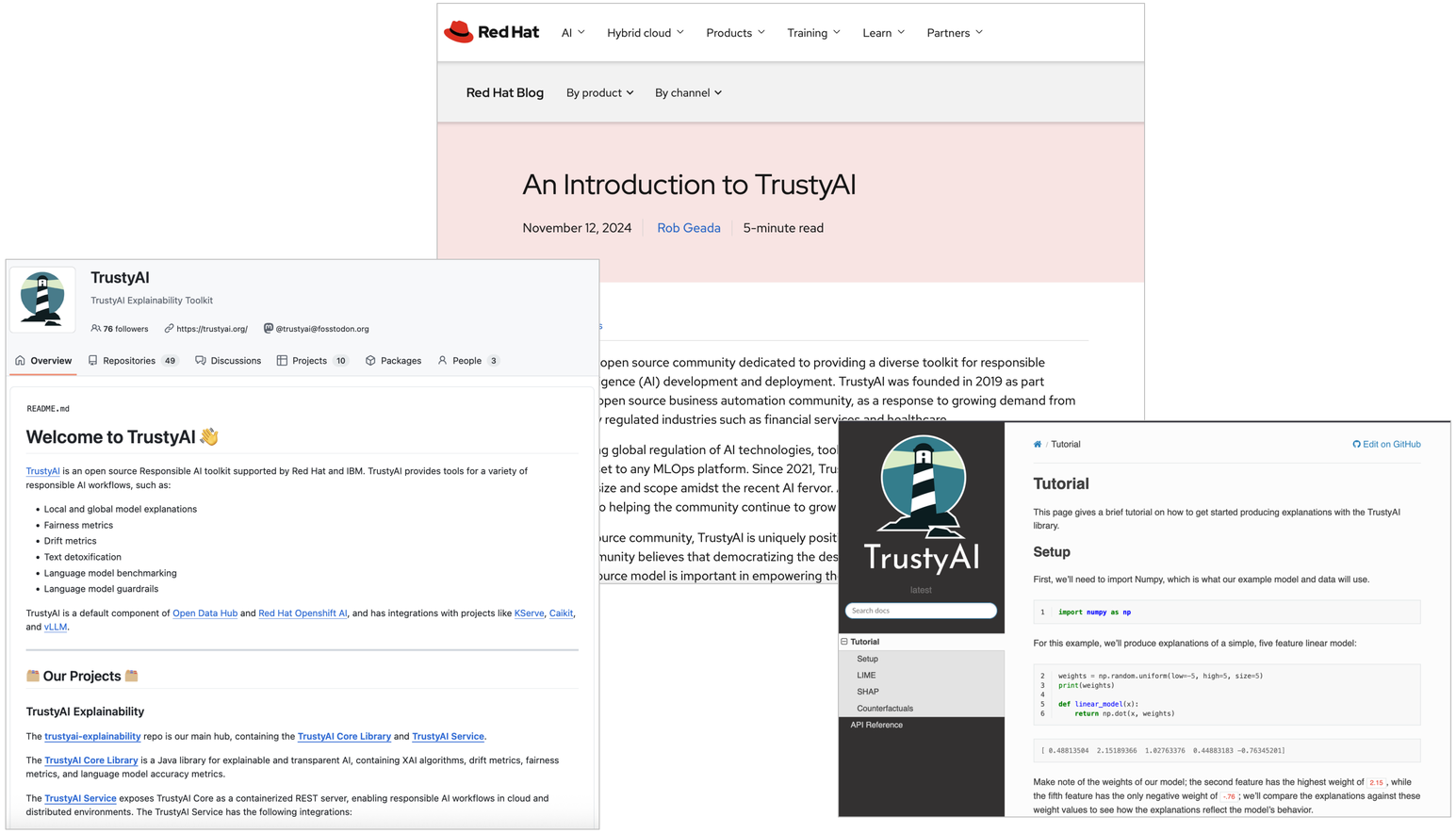
Build Ethically sound Solutions



- Follow core principles to build ethically sound solutions
- Ethics is more than a **policy**—it's a mindset
- Ensure AI solutions are designed to ***maximize benefit*** and ***minimize harm***
- **Purpose of AI**: AI should augment—not replace—human intelligence. It's about enhancing capabilities for the many
- **Data and Insights**: Respecting ownership of data is non-negotiable.
- **Transparency and Explainability**: be clear about how AI systems are trained, what data is used, and what drives their recommendations

Open source spotlight: TrustyAI

+ Explainability for decision services
+ Fairness metrics and bias detection
+ Integrates with Kognito, Drools



Developer takeaways

1

Build responsibly from the start

2

Use open tools like TrustyAI

3

Collaborate and stay informed

4

Responsible AI is a journey

Closing & call to action

Let’s build AI we can trust — together.

Explore TrustyAI: https://trustyai.org/