

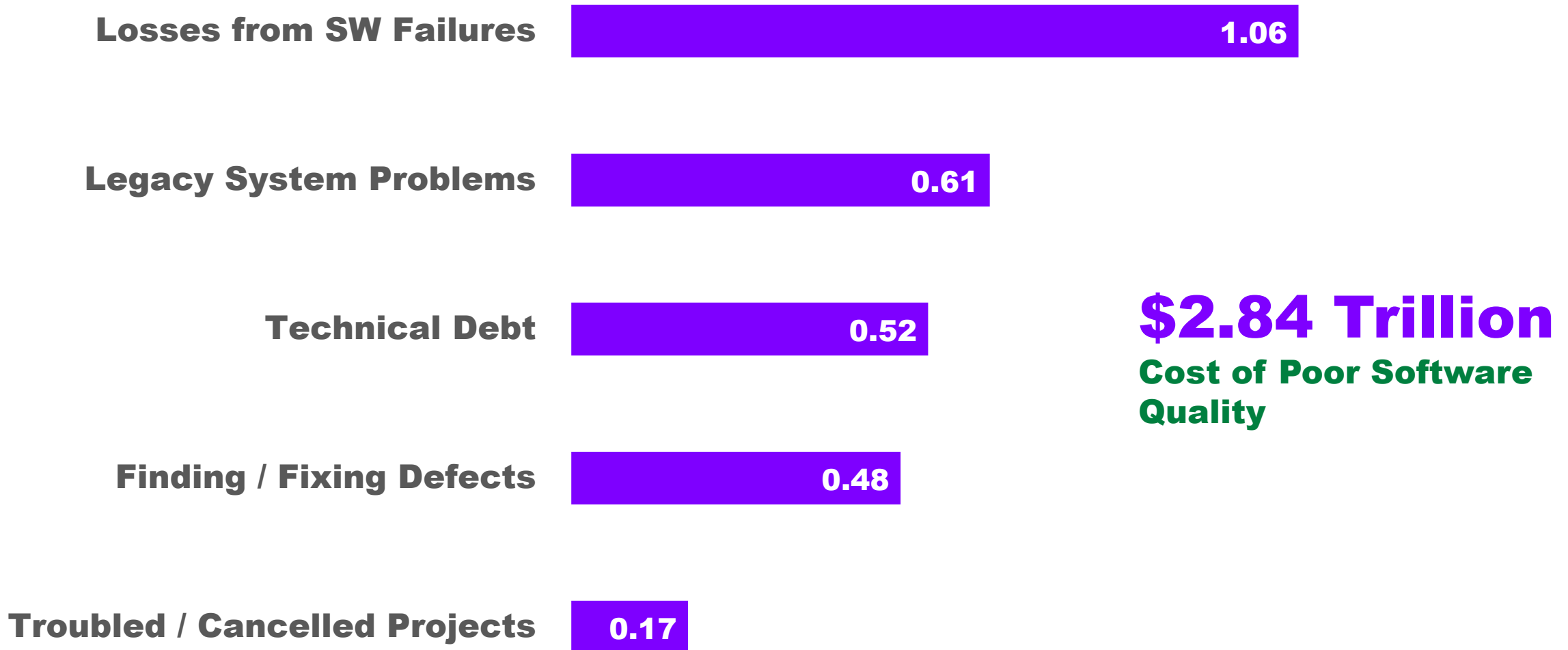
TRANSFORMATION IN SOFTWARE QUALITY ENGINEERING

- SHRIKANT SARDA

\$ 2,726,000,000,000

\$ 2,840,000,000,000

SOFTWARE QUALITY DOES IT MATTER?



SOFTWARE QUALITY DOES IT MATTER?*



3.7B



300+

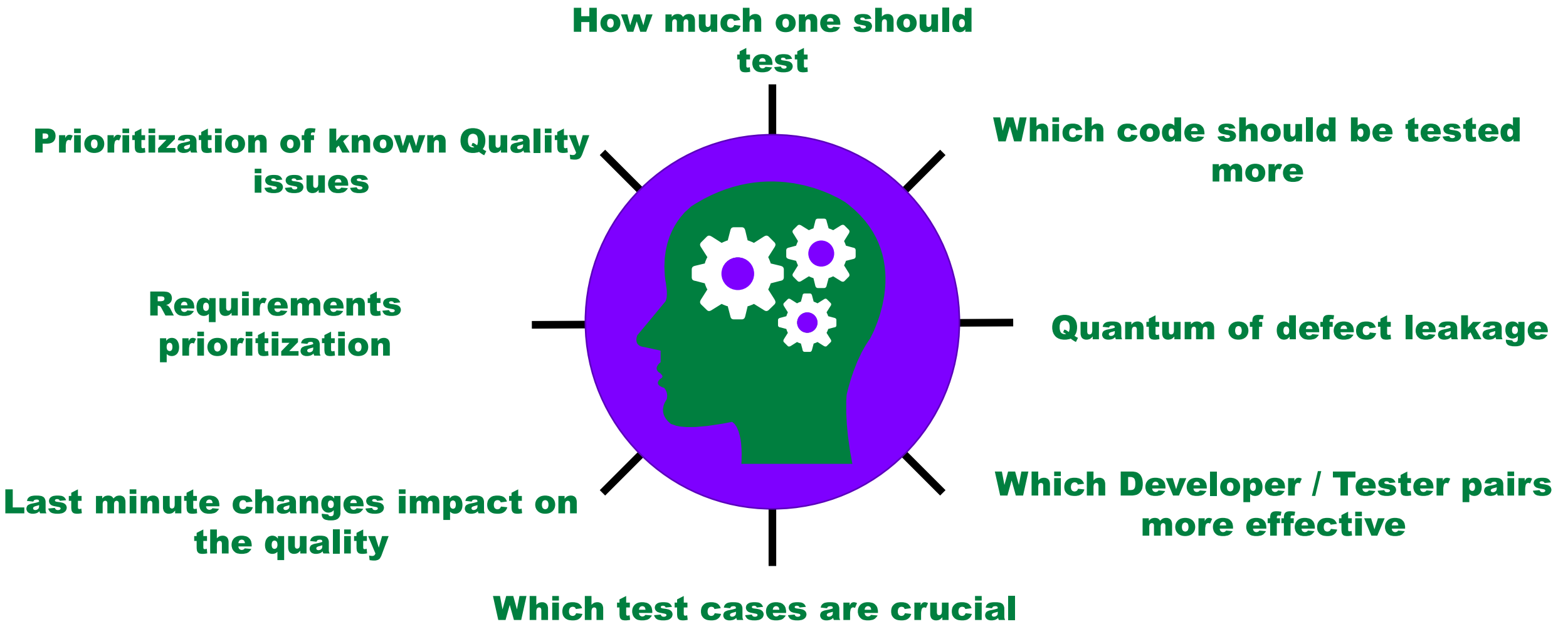
SOFTWARE QUALITY DILEMMA

Definition of Quality: The degree to which a system, component or process meets specified requirements (customer, user needs or expectations)

Software Quality: Reduce Uncertainties



SOFTWARE QUALITY DILEMMA



SOFTWARE QUALITY IN POST DIGITAL ERA

Software Quality is going through tectonic shift and now focused on leveraging Transformation Technologies – Automation, AI/ML and Data to deliver significant **Improvement in Software Quality**

Traditional Approaches

- Long release cycles
- Stand alone systems
- Single channel
- Single geo or regional focus
- User friendly
- Minimal security testing

Post Digital Era

- Short release cycles
- Complex and Interconnected
- Omni channel
- Global focus
- User experience
- Cyber security

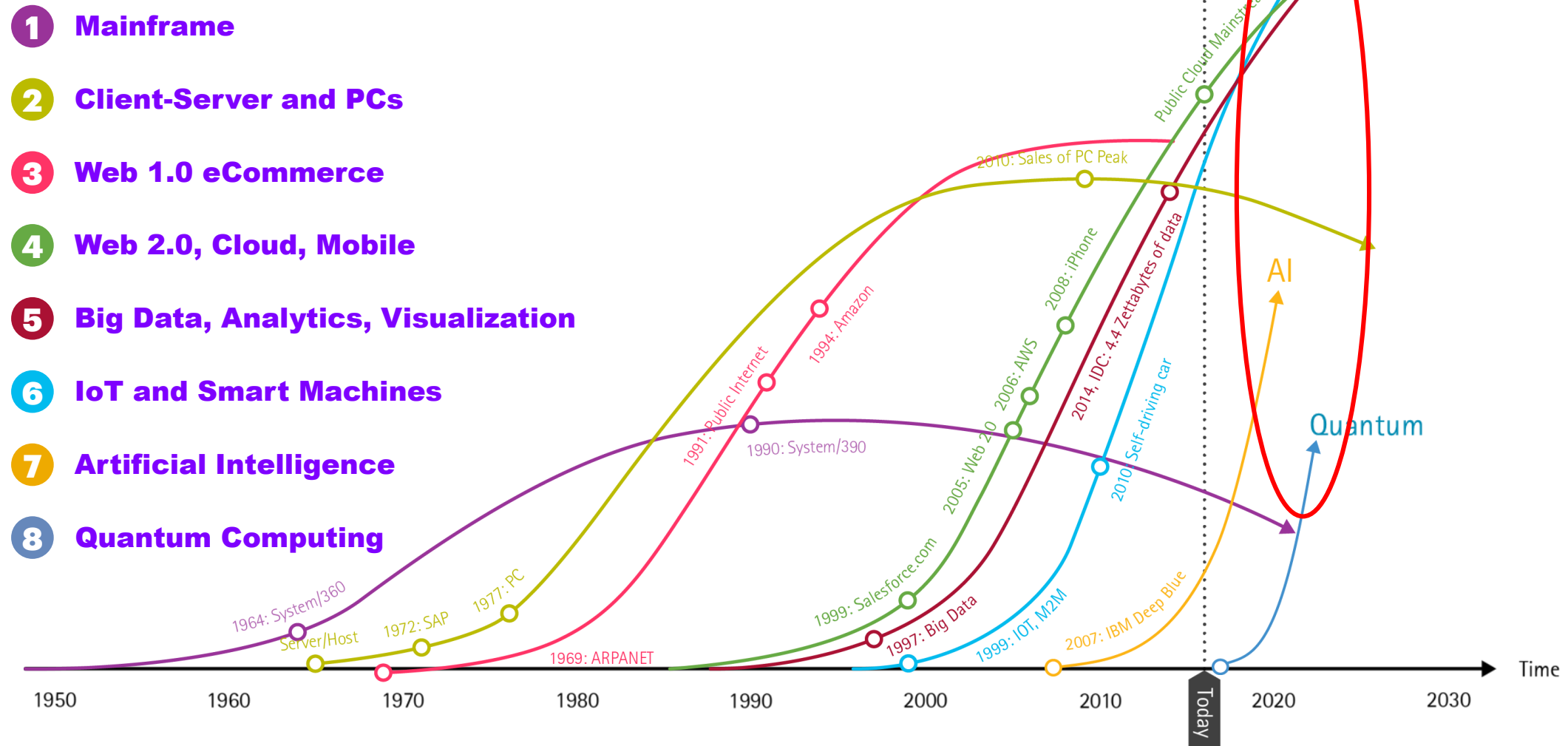


Intelligent Software Quality Engineering

Technically 'Robust' Release

'Fit for Purpose' Functionality

TECHNOLOGY IS CHANGING FASTER THAN EVER



SUMMARY

Uncertainty...

- **Eradicate:** Leverage transformation technologies like AI/ML, Data Analytics etc. to completely remove non value add activities from Software Testing
- **Optimize:** Use Log Mining and Data Analytics to improve the efficiency of Software Testing
- **Automate:** Minimize human dependency and move towards zero touch automation using various automation tools and techniques available today

...Certainty

THANK YOU

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