



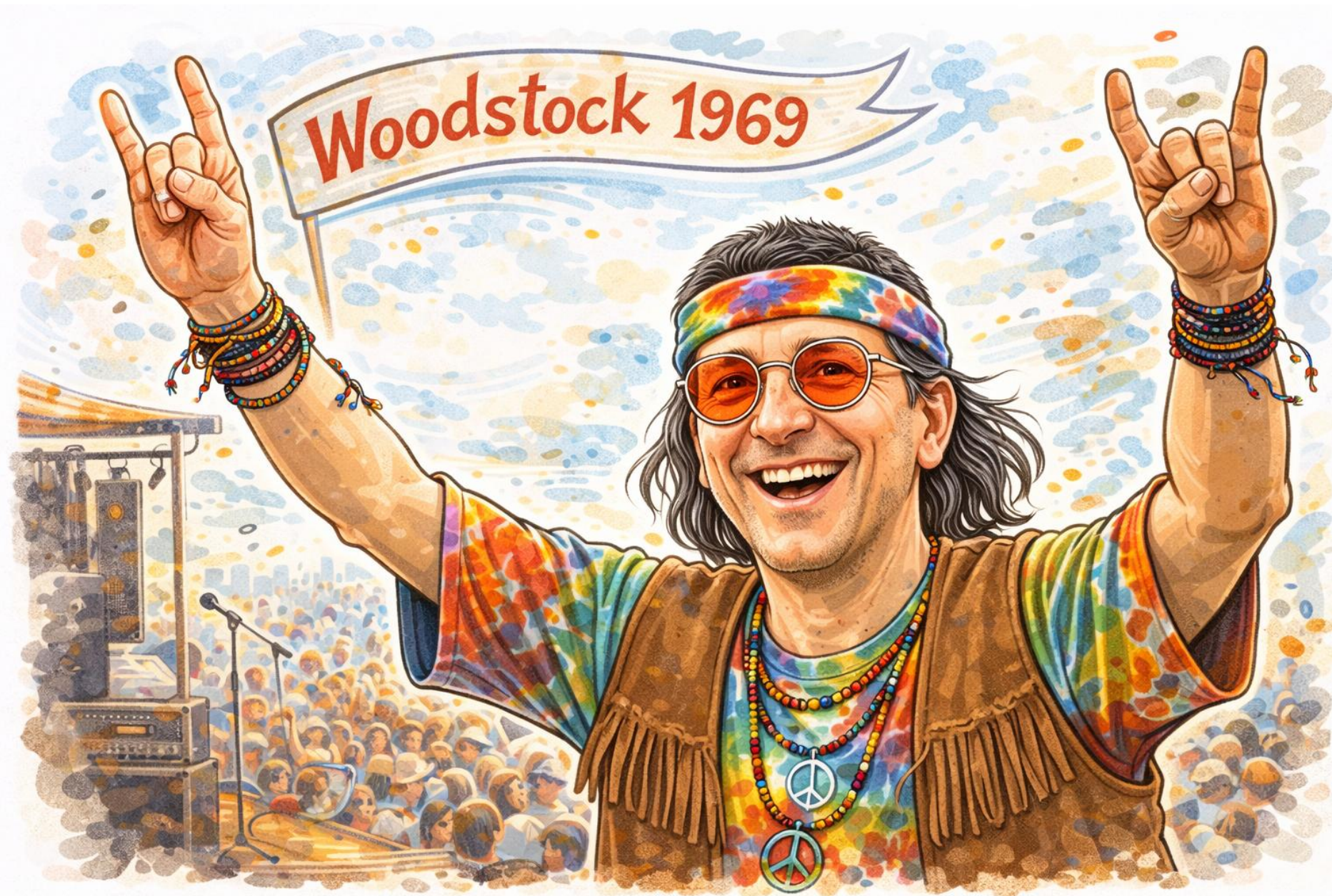
Architetture Evolutive in Azure

Progettare sistemi che sanno cambiare











- Mancanza di pratiche ingegneristiche consolidate.
- Cambio dei requisiti durante lo sviluppo.
- Complessità crescente che superava la gestione umana.

Si è iniziato a parlare di gestione del ciclo di vita del software, organizzazione, teorie, tecniche, strumenti e metodologie adeguate.

(Ingegneria del Software)

Le architetture evolvono

*Building systems that **age** gracefully and effectively is one of the enduring challenges of software development generally and software architecture specifically.*

***Bit rot:** ... is either a slow deterioration of software quality **over time** or its diminishing responsiveness that will eventually lead to software becoming faulty.*

O'REILLY®

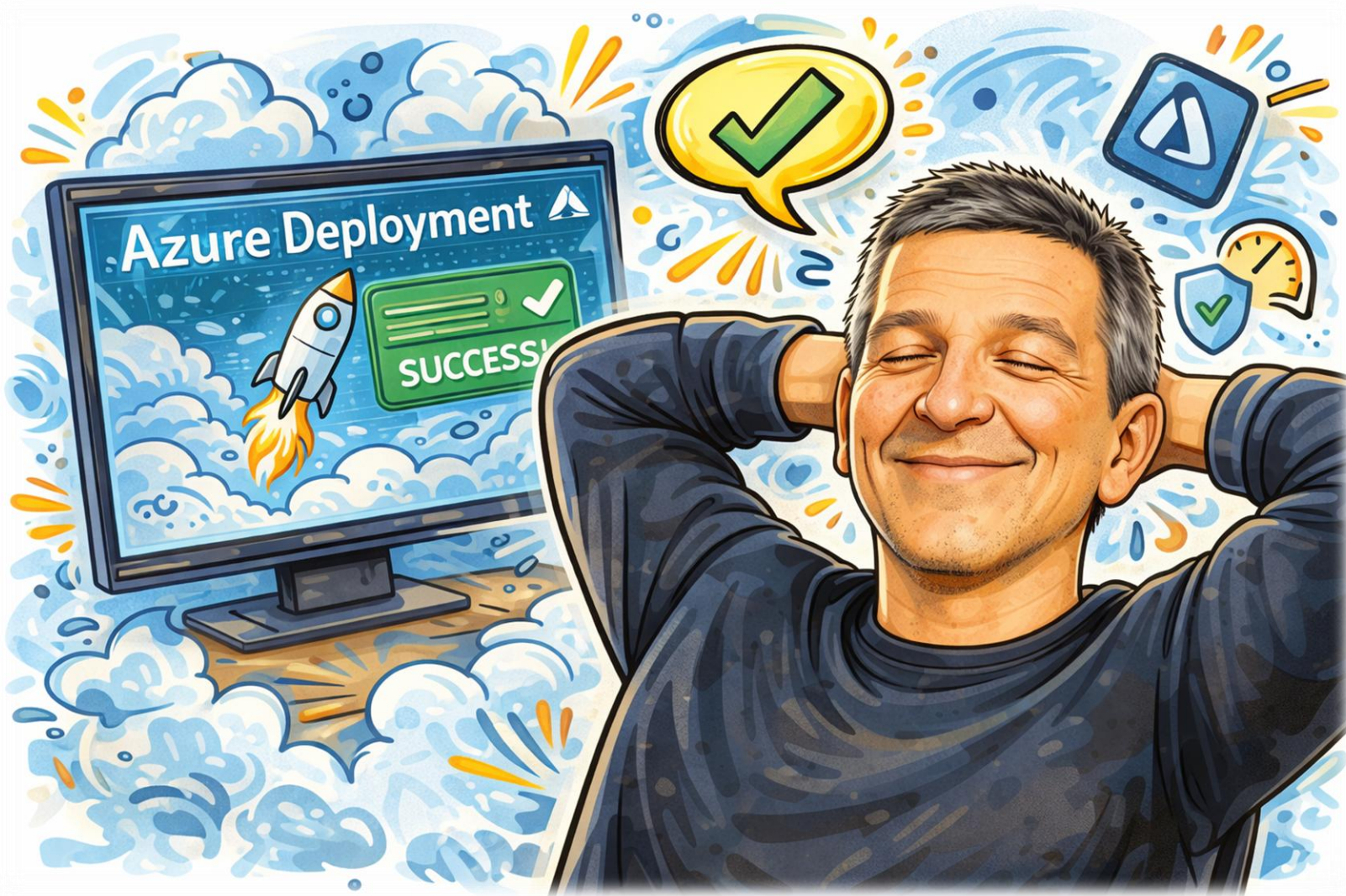
2nd Edition

Building Evolutionary Architectures

Automated Software Governance



Neal Ford,
Rebecca Parsons,
Patrick Kua & Pramod Sadalage
Forewords by Mark Richards & Martin Fowler



Container App



SQL Server 2025 on
Windows Server 2025

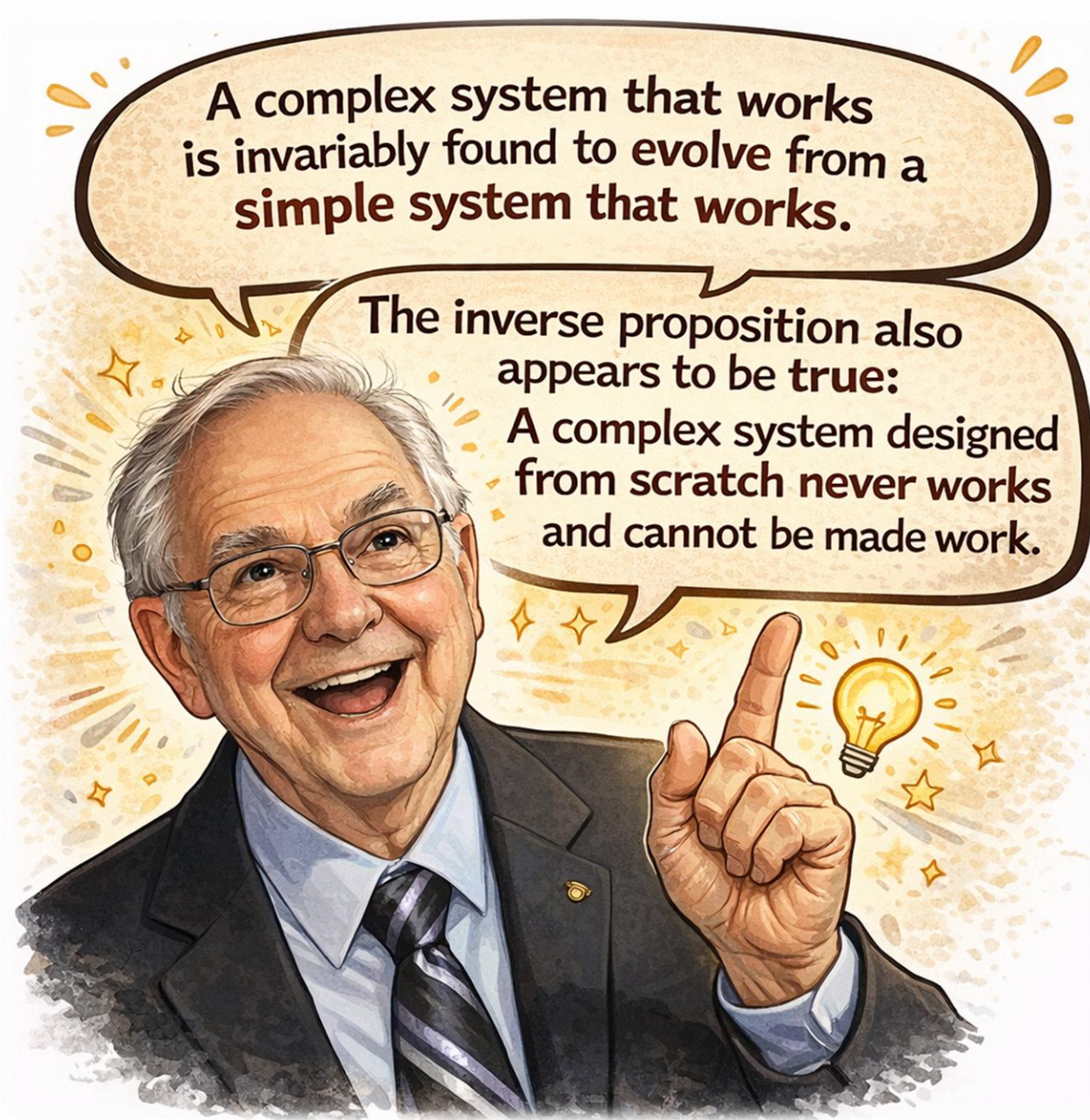


Event Hubs



Azure non basta!





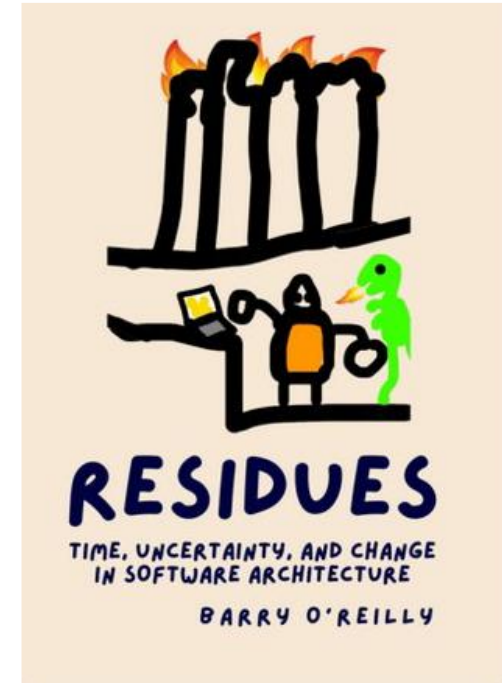
A complex system that works
is invariably found to evolve from a
simple system that works.

The inverse proposition also
appears to be true:
A complex system designed
from scratch never works
and cannot be made work.

Dipendenza dal business

Every architecture involves a software application which must live its life and execute inside a business environment.

*This **constant change** affects the architecture.*









**Quando creo l'evento,
lo metti a calendario?**

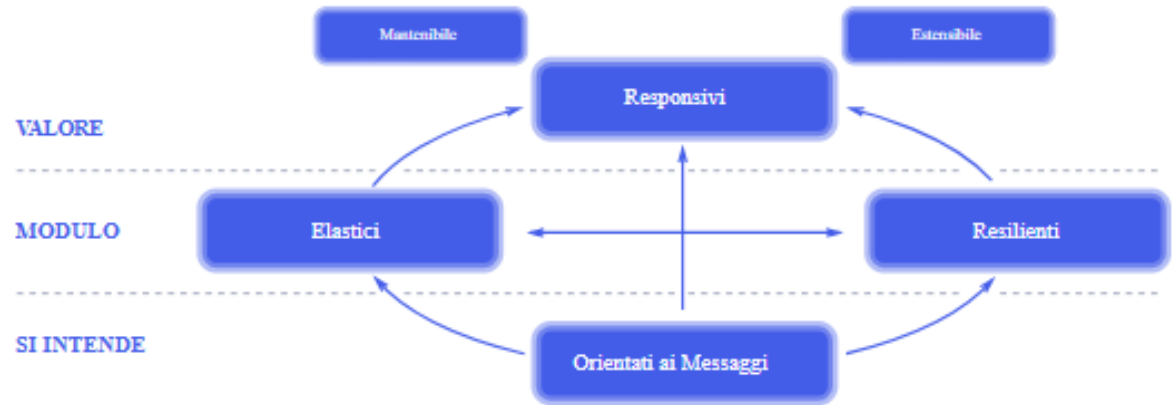


**· Nel Actor model, un actor
· riceve messaggi, prende decisioni,
· crea nuovi actor e nuovi messaggi,
· ma può interagire solo tramite
· messaggi.**



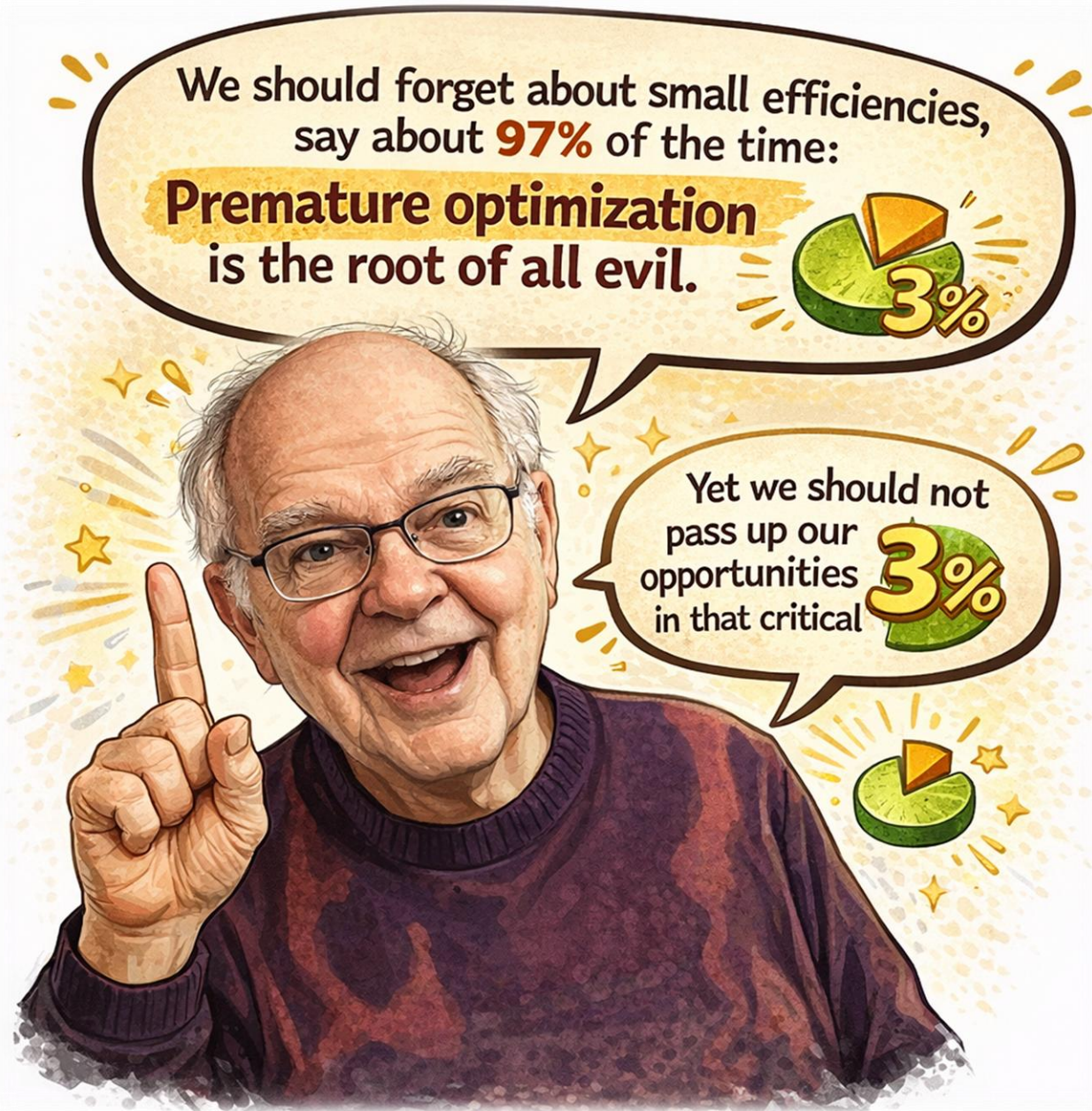
***Non serve la
sincronizzazione!***



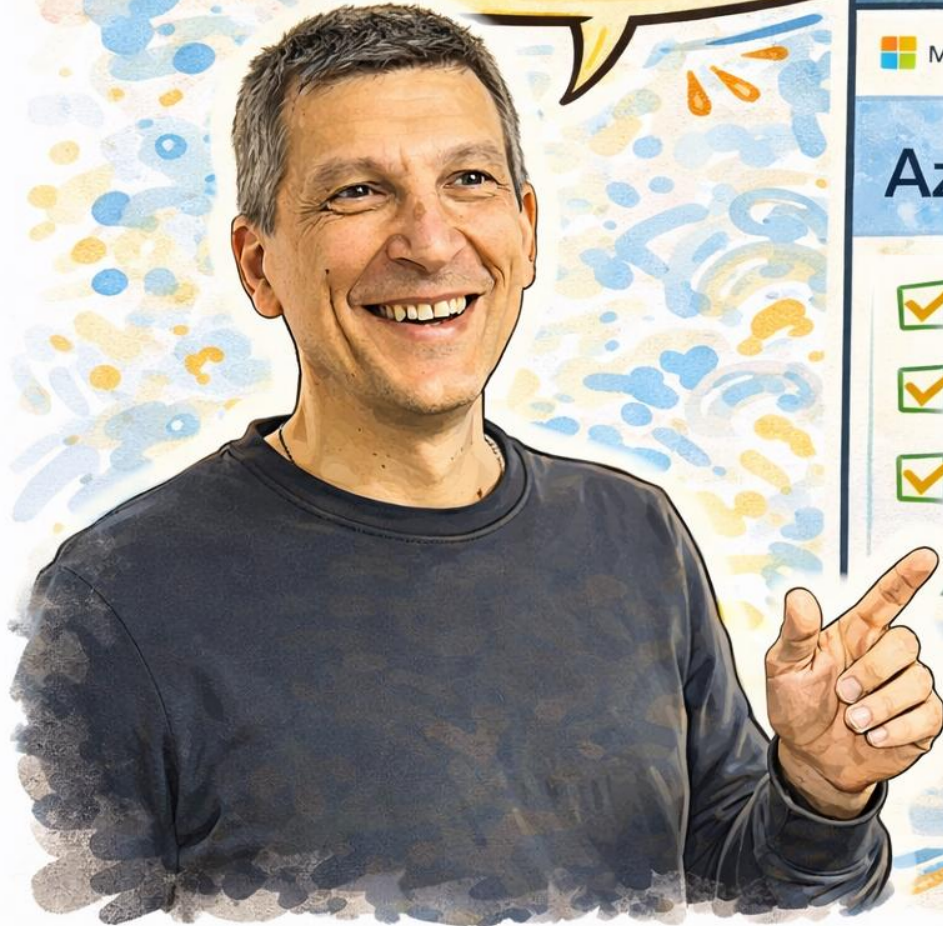


Il Manifesto dei Sistemi Reattivi





**Prendiamo ispirazione
dalle guide ufficiali**



Microsoft Learn Azure

Azure architecture

- Fallacy of Distributed Systems
- Event-driven
- Decoupled

Non serve la sincronizzazione

[Read the guide](#)

<https://learn.microsoft.com/azure/architecture>



GRAZIE!



alberto.acerbis@intre.it



<https://github.com/Ace68/EventsManagement>

Alberto Acerbis

Software Architect - Trainer

