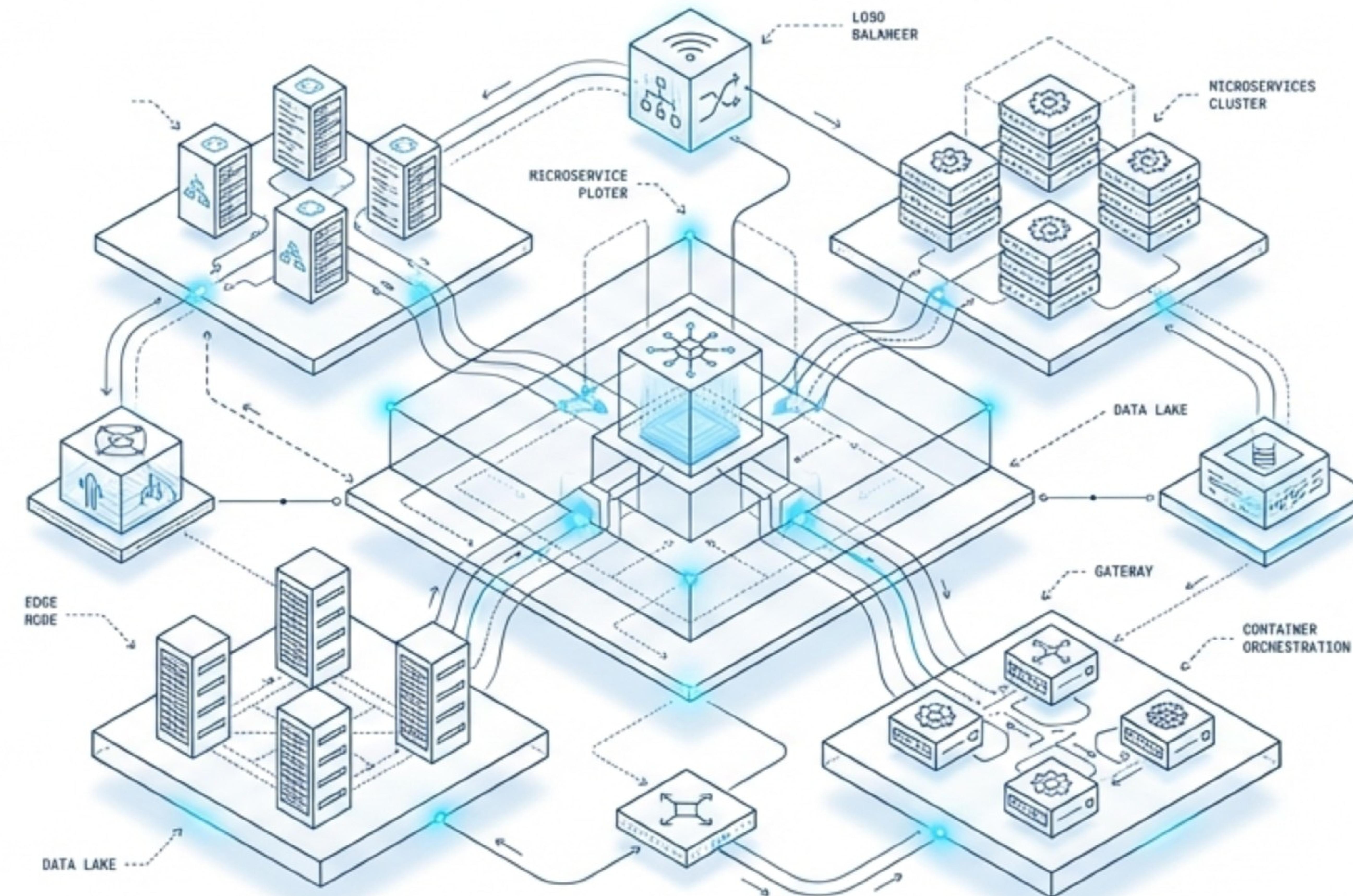


Architecting Mission-Critical Enterprise Systems

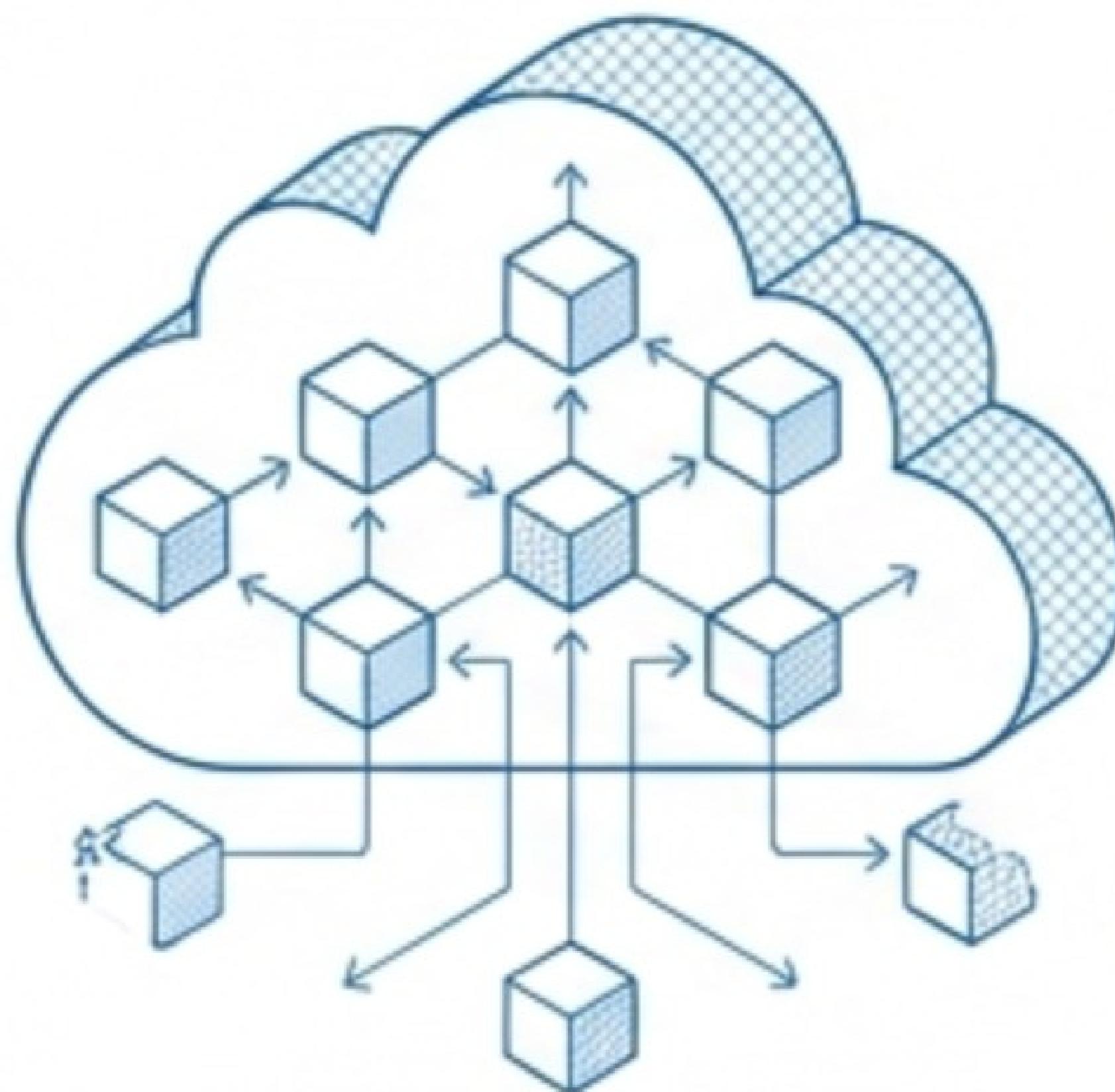
A portfolio of Cloud Native Innovation, DevOps Automation, and Legacy Modernization.



12+ Years of Engineering Excellence

SCHEMATIC OVERVIEW

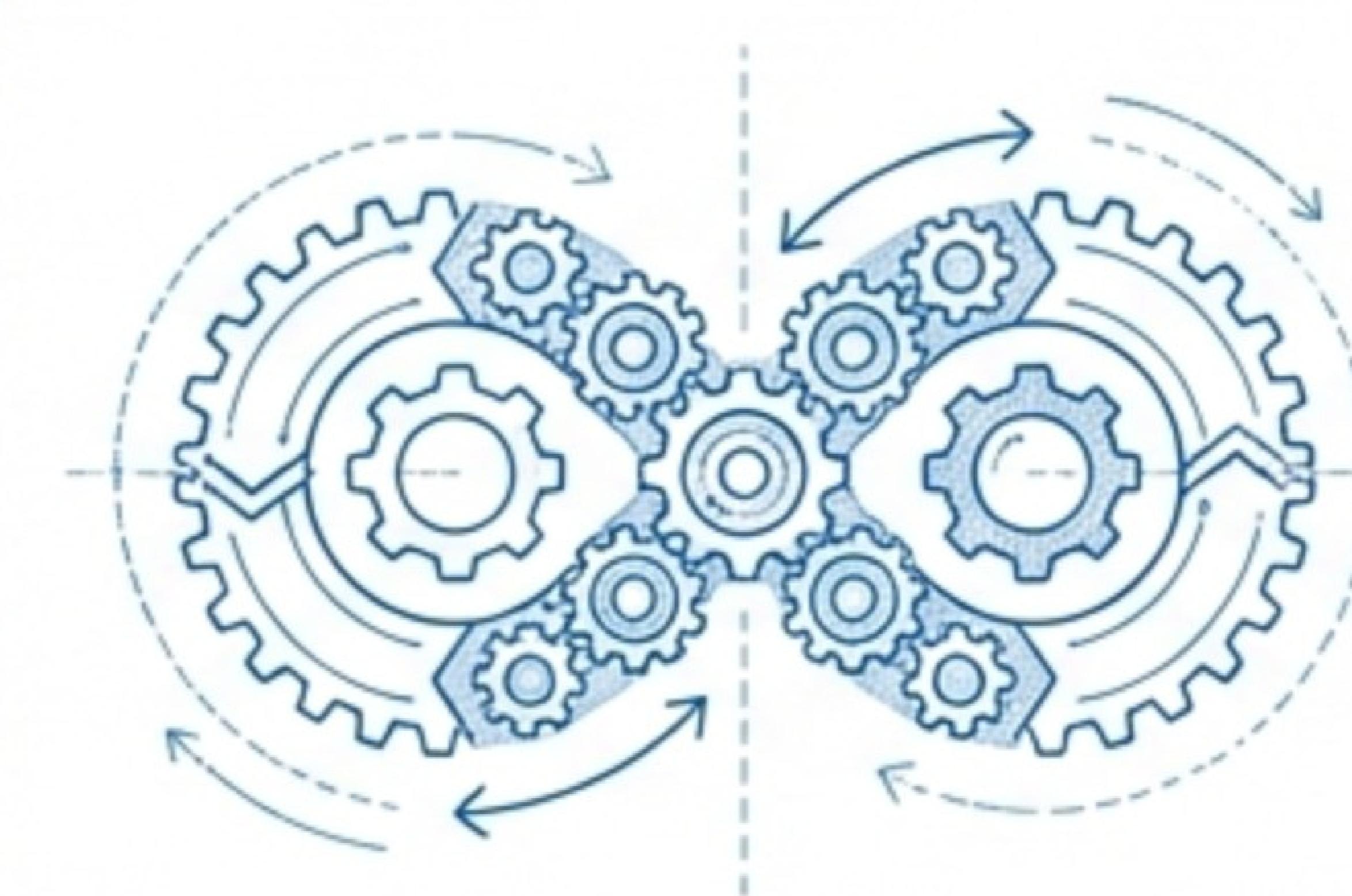
SCALE 1:1 REV 1.2



Cloud & Microservices Architecture

Designing scalable systems on Azure and AWS.

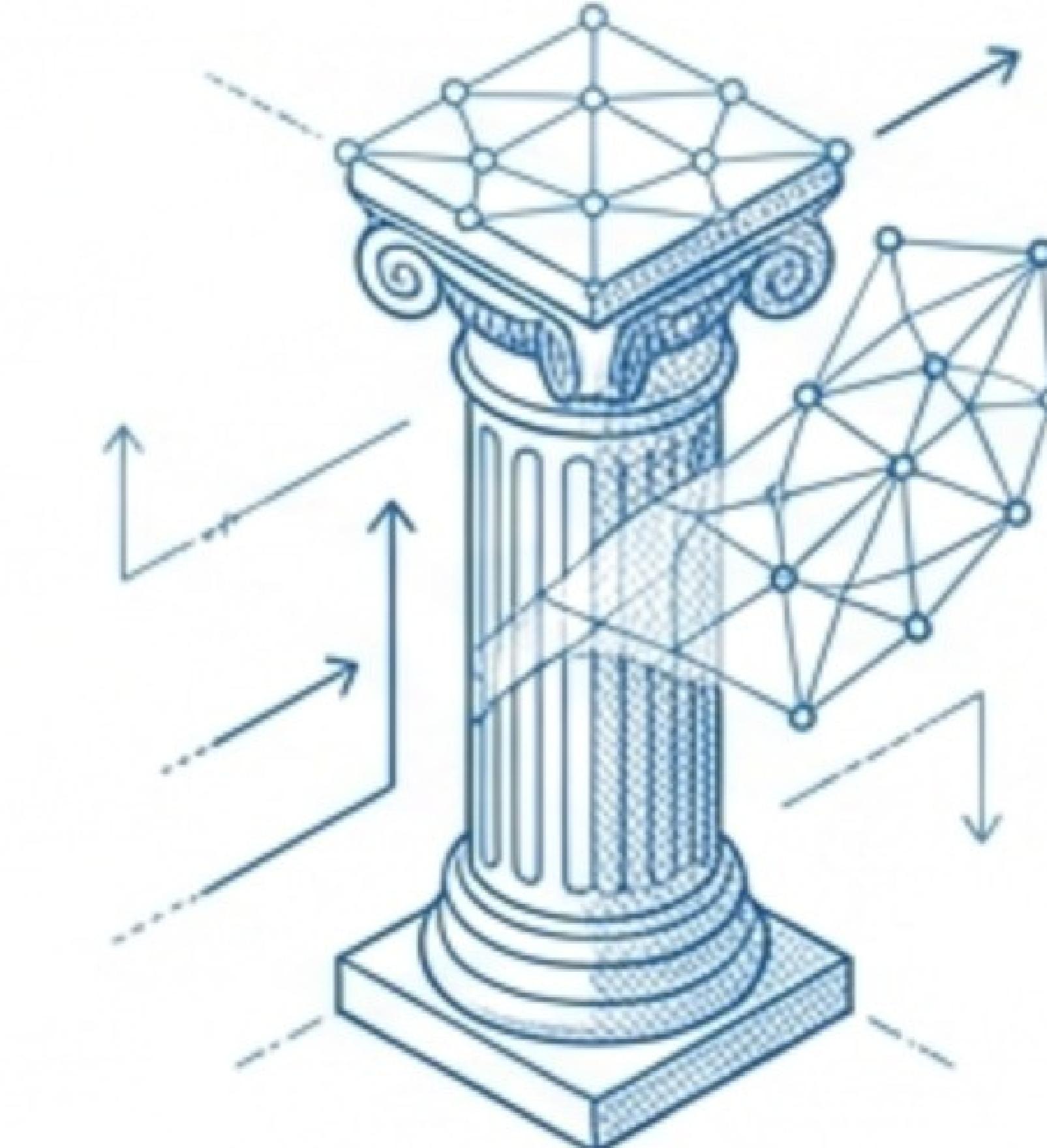
SCALE
1:1



DevOps & Automation

Streamlining deployment and operational efficiency.

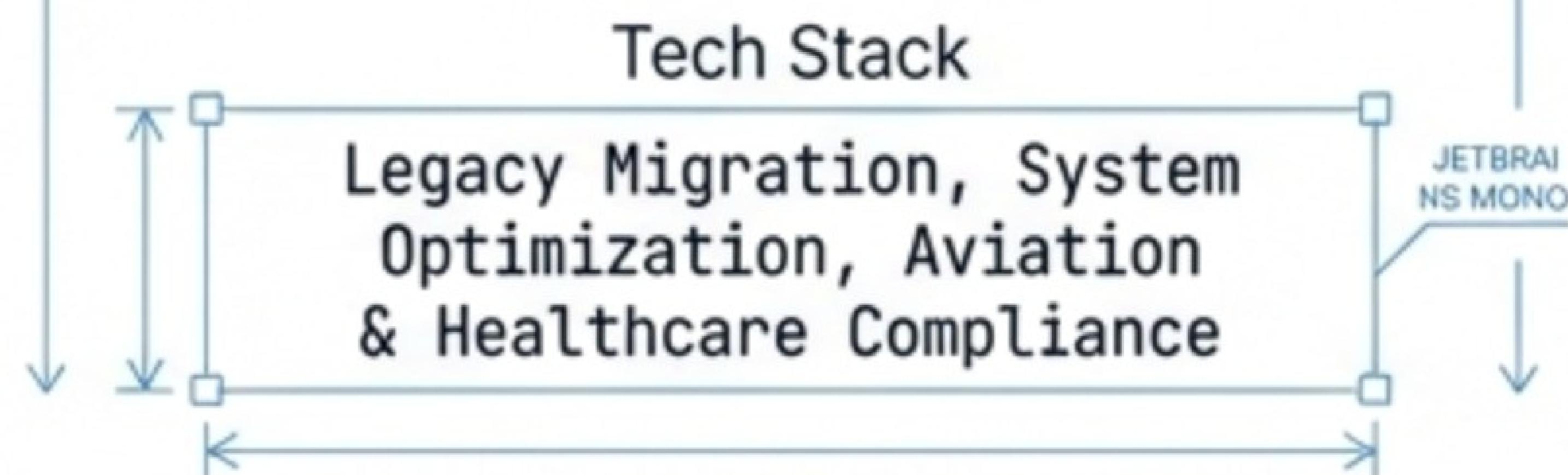
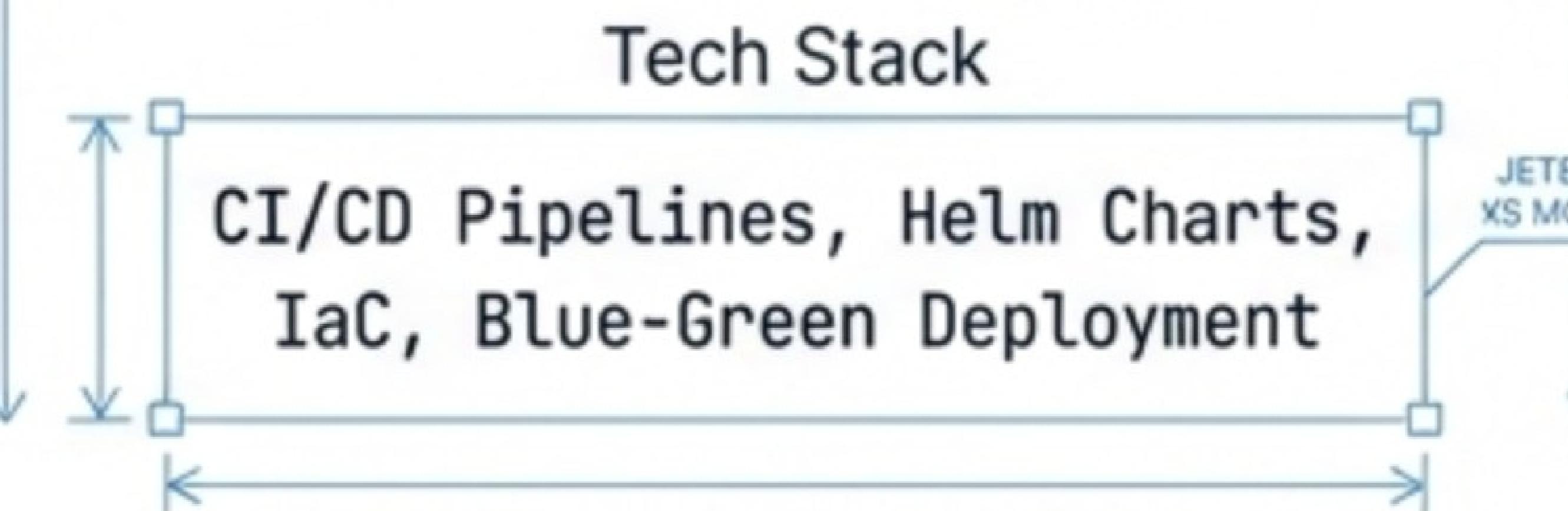
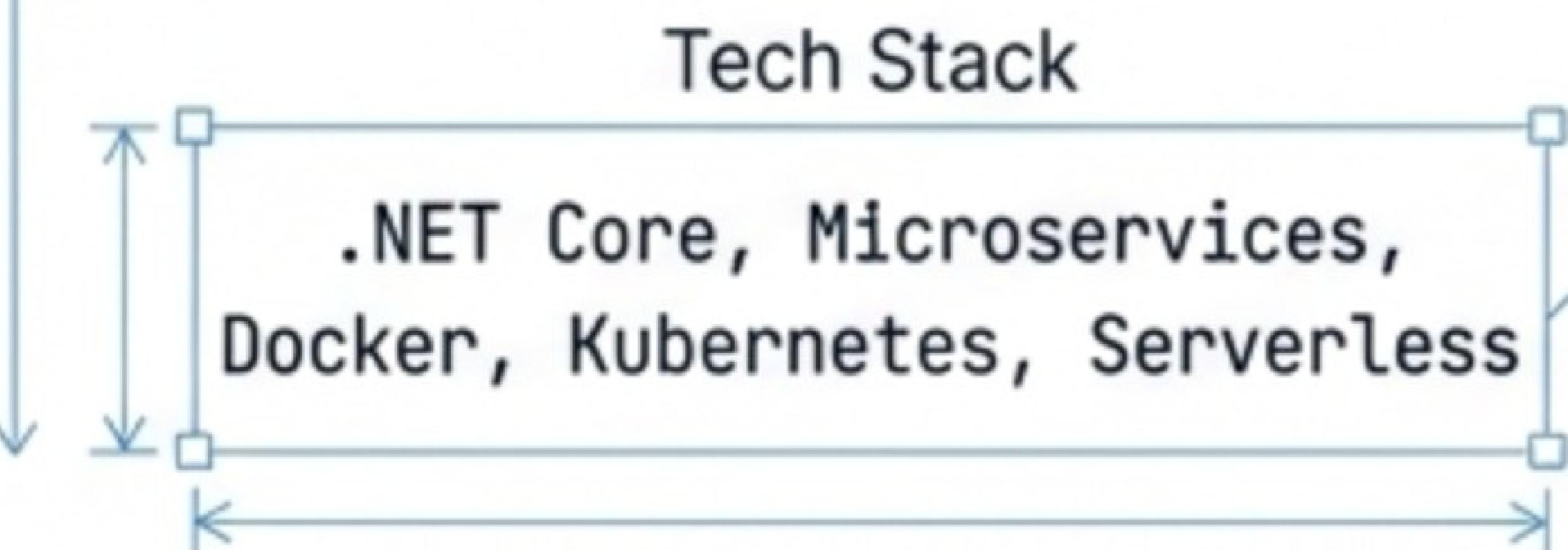
SCALE
1:1



Enterprise Modernization

Transforming legacy monoliths into resilient modern applications.

COLUMN
SECTIONS



Delivering Quantifiable Impact at Scale

SCHEMATIC OVERVIEW

SCALE 1:1

REV 1.2

99.9%
Uptime

Achieved for critical winter operations and Airside systems (SITA) via robust architecture.

50,000+
Daily Requests

Scaling RESTful APIs for high-volume retail and government clients.

60%
Faster Response

Reduced incident response time through AWS CloudWatch monitoring and automated alerting.

45%
Performance Boost

Achieved through legacy migration from ASP.NET Web Forms to .NET Core.

COLUMN
SECTIONS

SCALE 1:1

SCALE 1:1

SCALE 1:1

Case Study: Aviation & Ground Control

SCHEMATIC OVERVIEW

SCALE 1:1

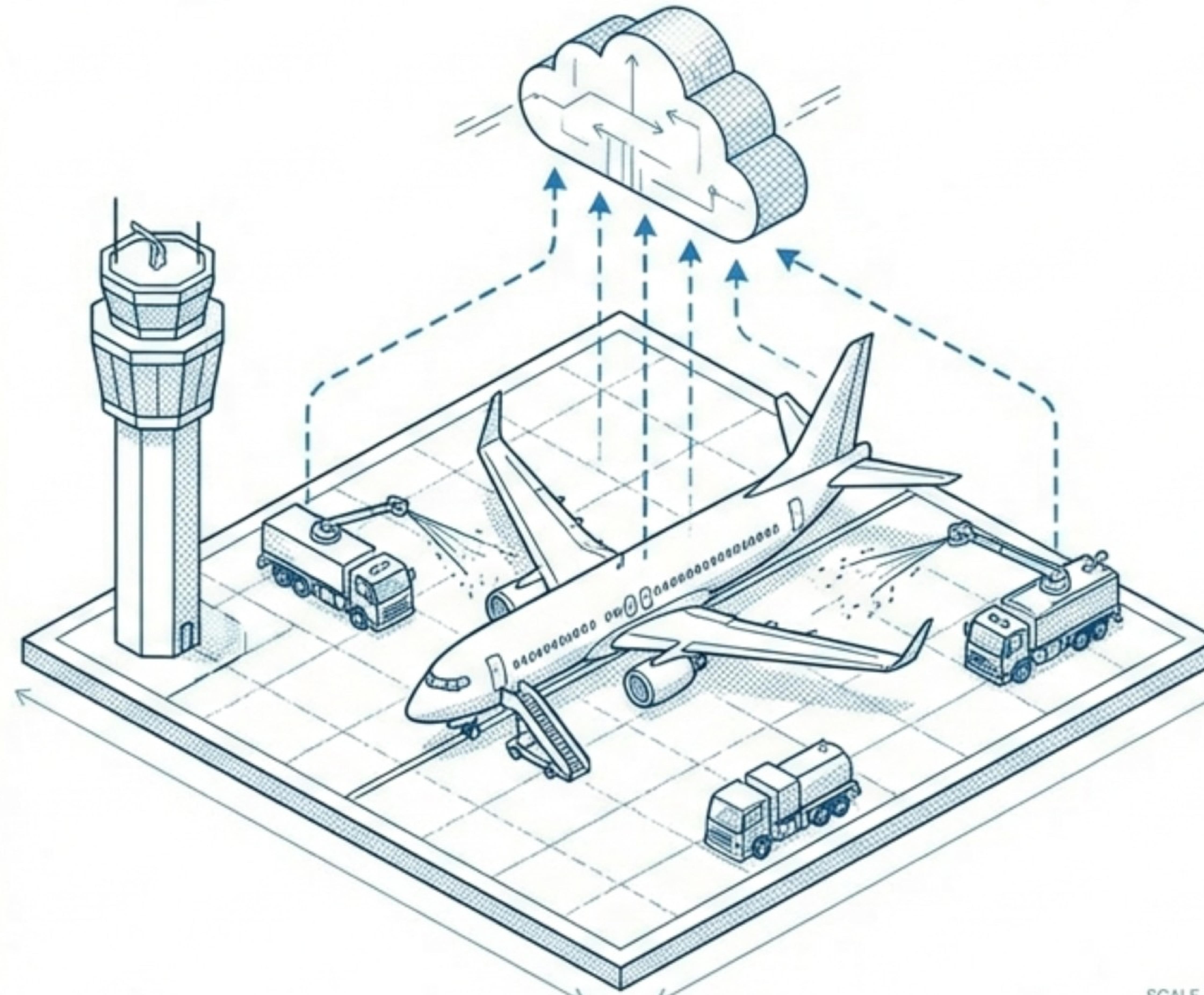
REV 1.2

Context:

Technical Lead at
Coforge
(Client: SITA)

Mission:

Developing the
Airside Optimizer
System and
Electronic Flight
Strip System.



Key Challenges

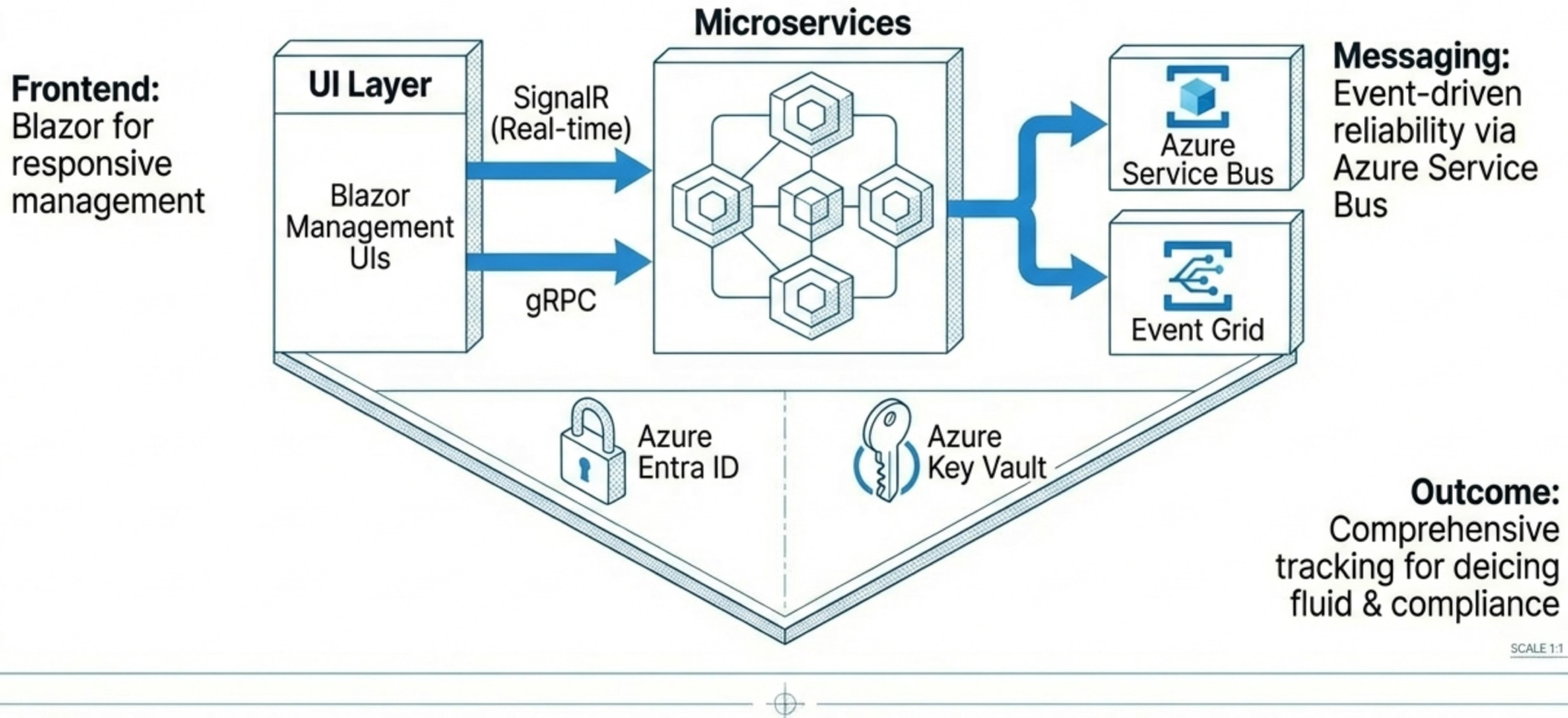
- Real-time resource management
- Safety-critical compliance (Deicing operations)
- Zero-downtime requirements for flight movements

Real-Time Architecture for Critical Operations

SCHEMATIC OVERVIEW

SCALE 1:1

REV 1.2

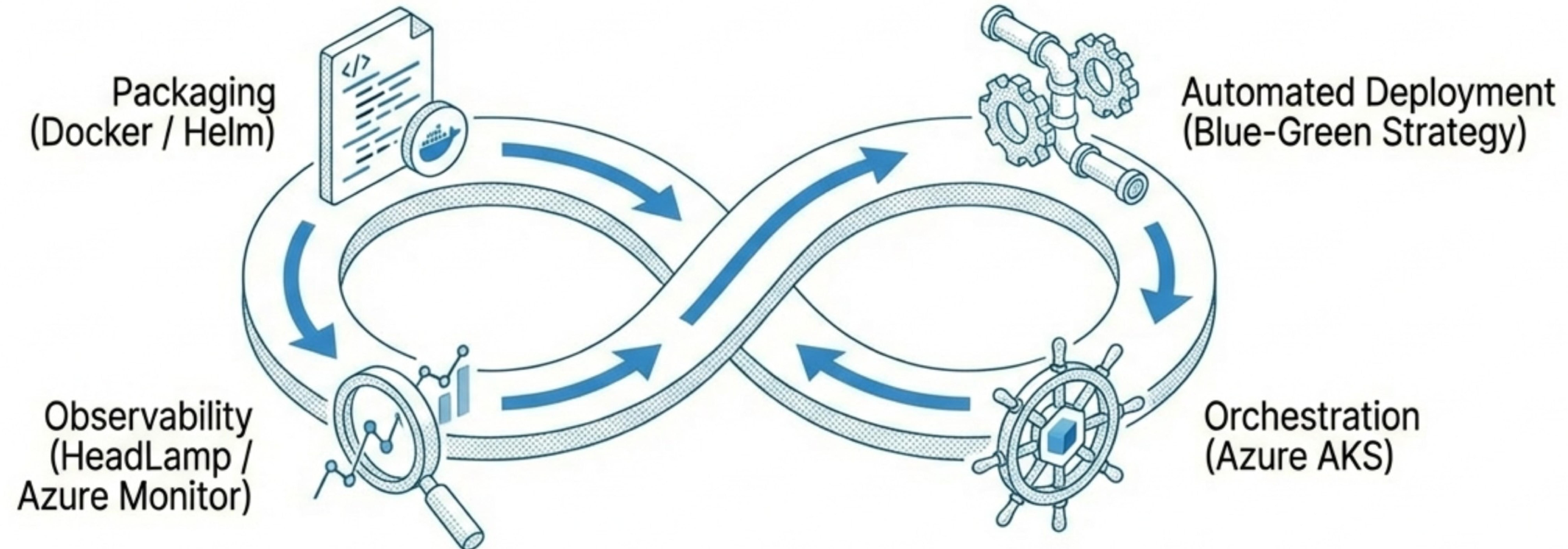


Infrastructure as Code: The Kubernetes Ecosystem

SCHEMATIC OVERVIEW

SCALE 1:1

REV 1.2



Ensuring zero downtime during releases through automated pipelines and container orchestration.

SCALE 1:1

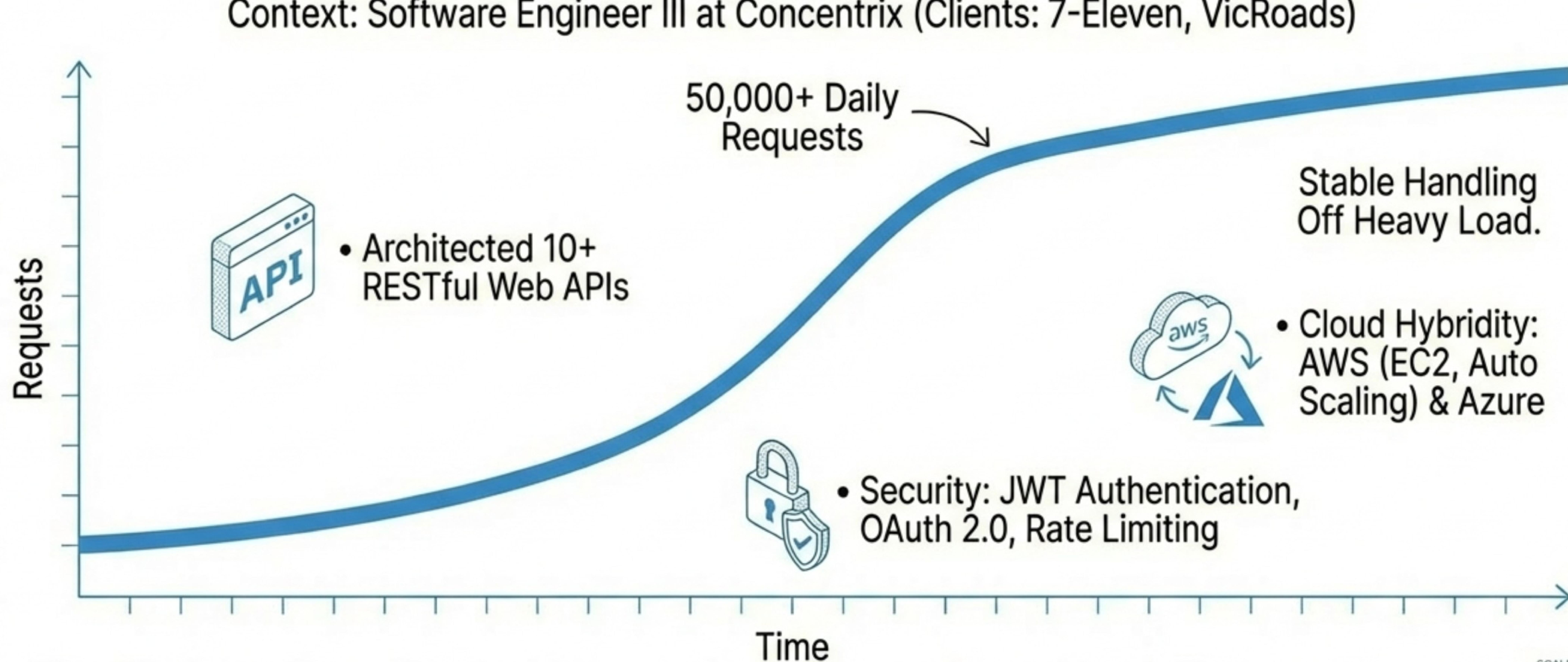
Engineering for High-Volume Scale

SCHEMATIC OVERVIEW

SCALE 1:1

REV 1.2

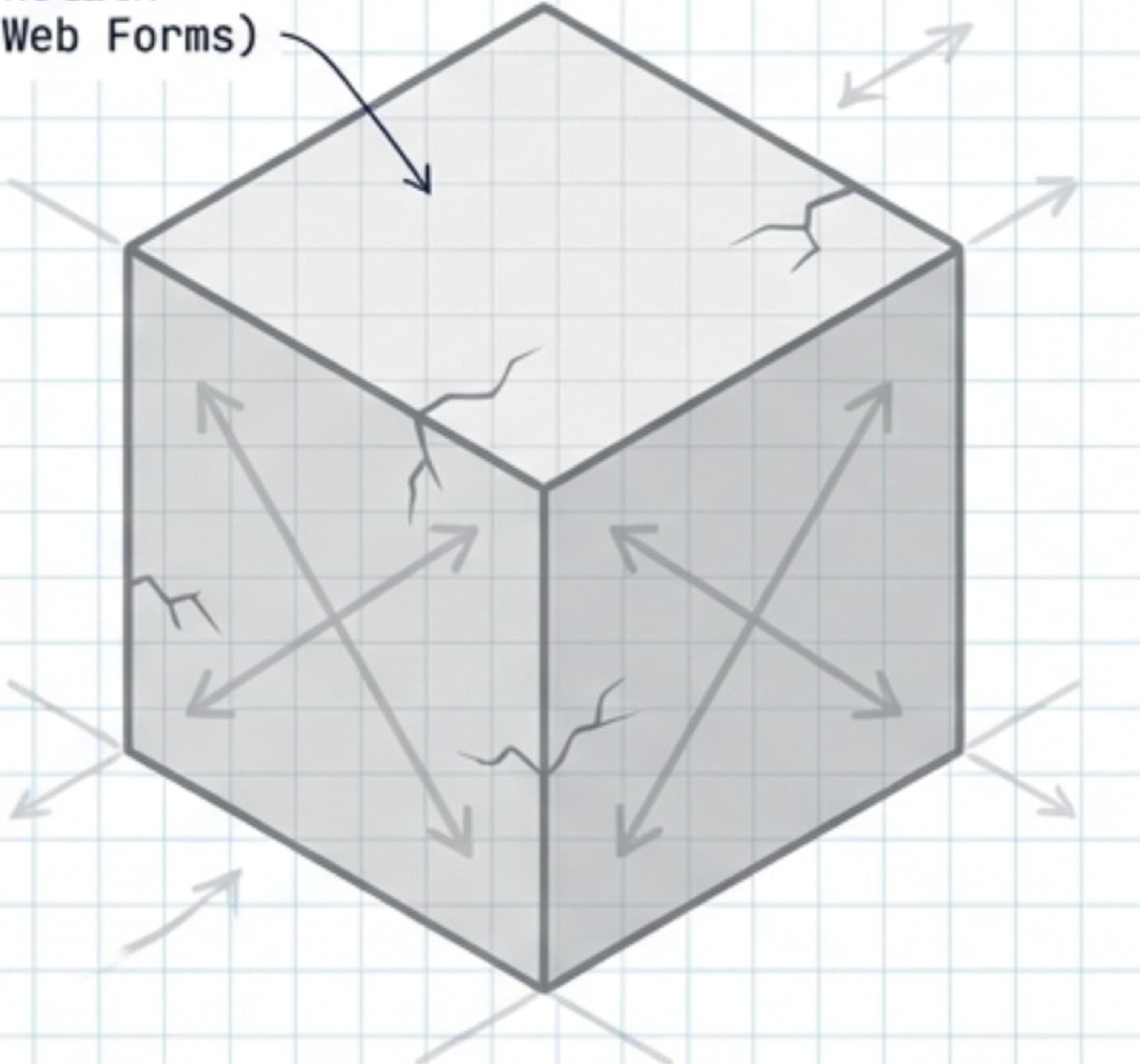
Context: Software Engineer III at Concentrix (Clients: 7-Eleven, VicRoads)



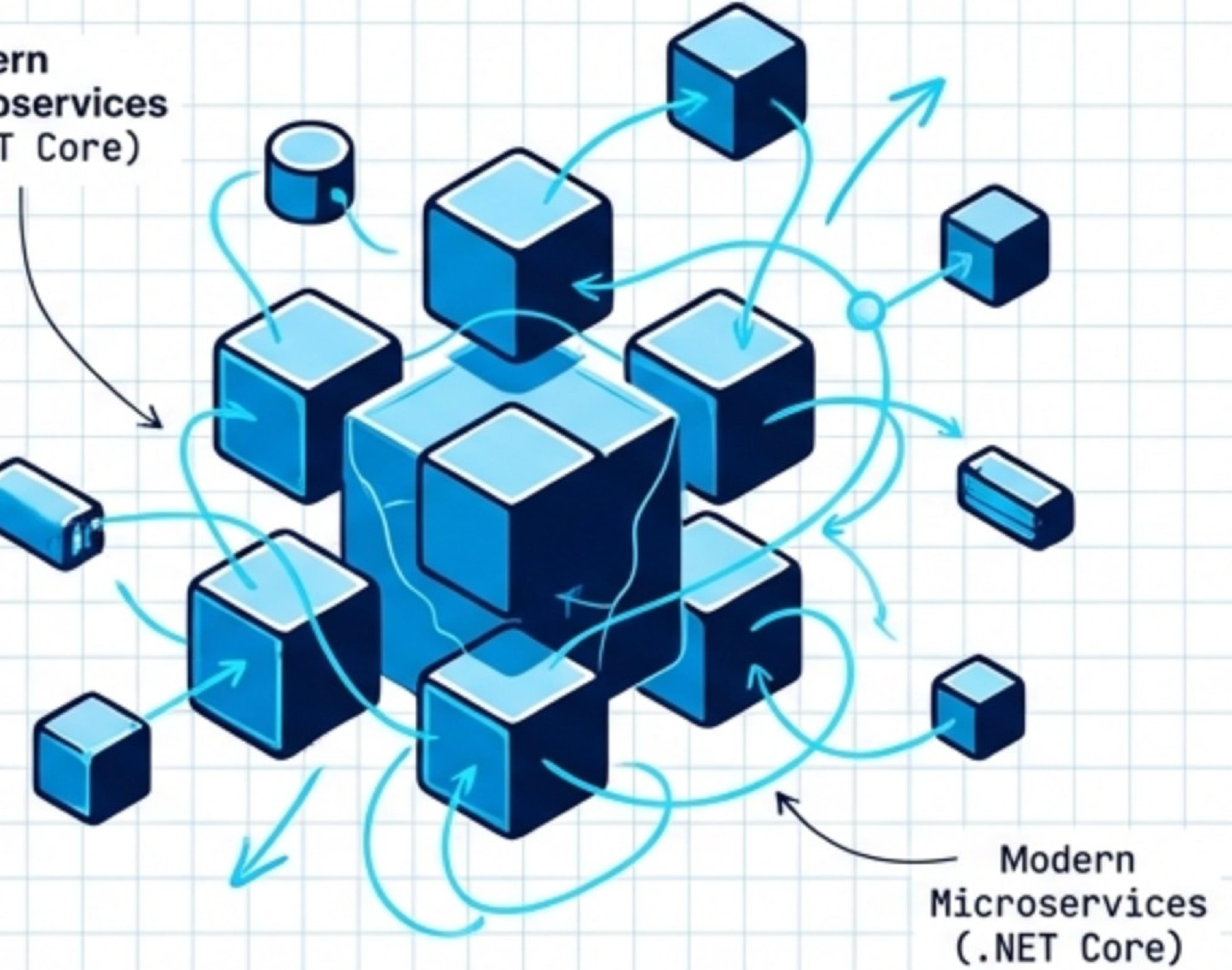
SCALE 1:1

The Modernization Playbook: Monolith to Microservices

Legacy Monolith
(ASP.NET Web Forms)



Modern
Microservices
(.NET Core)



Modern
Microservices
(.NET Core)

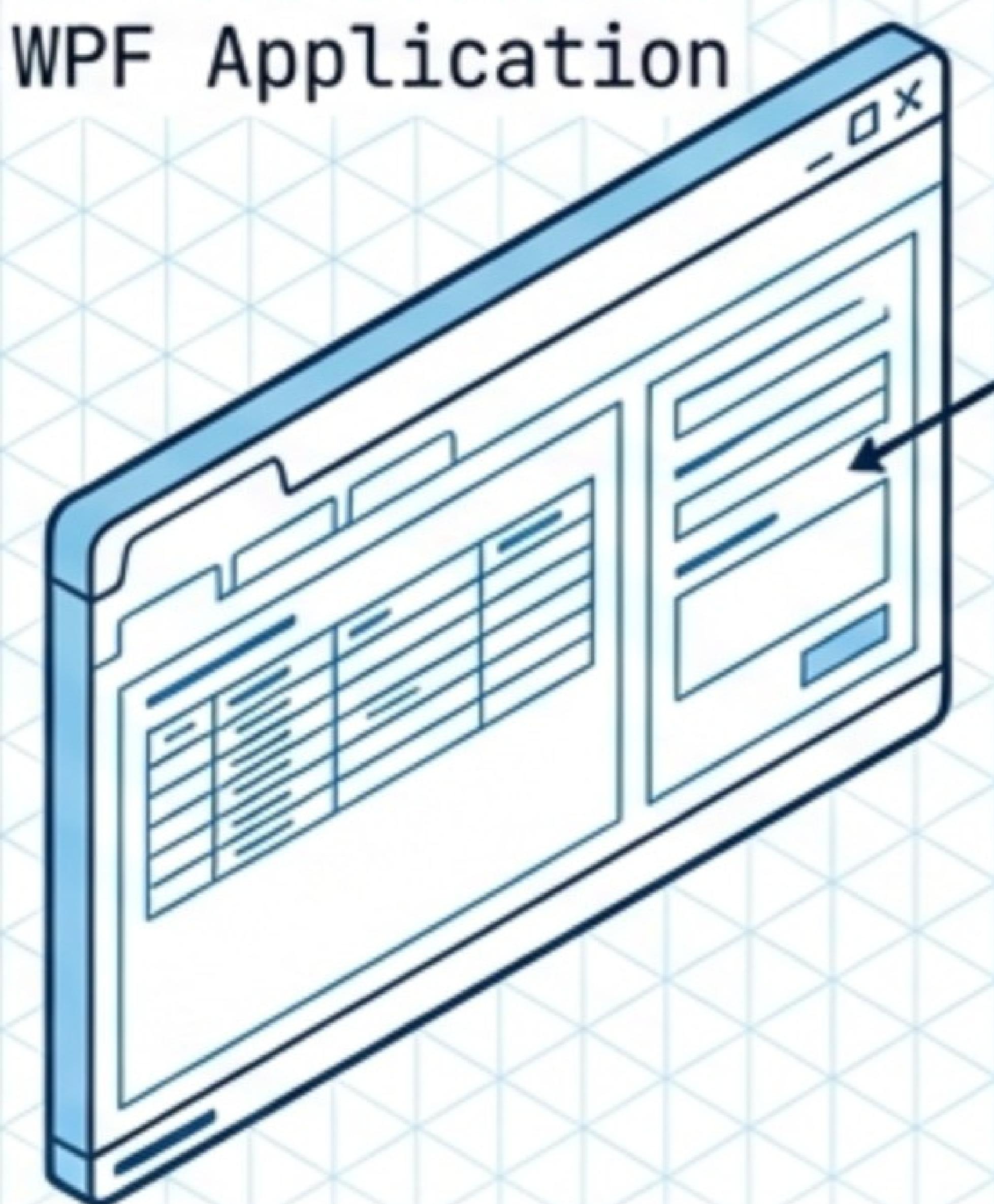
Problem: Legacy apps inhibiting growth.

Solution: Migration using Entity Framework Core and Dapper.

Result: 25% reduction in hosting costs & standardized Git strategies for junior teams.

Healthcare Compliance & Desktop Architecture

Context: Cigna US Healthcare (Smart Alec & Auto Inventory Systems)



WPF Application

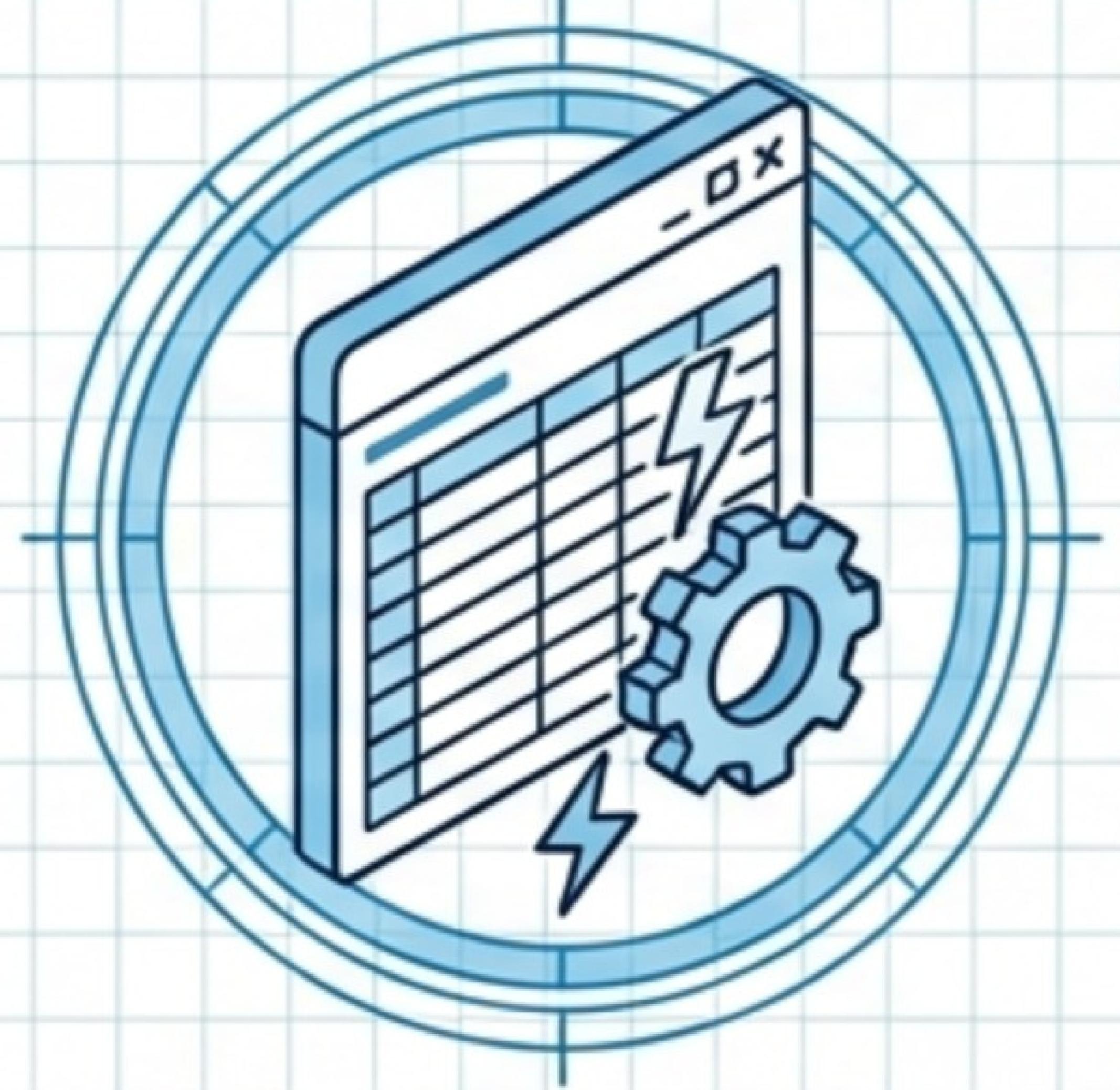
MVVM Pattern

SQL Server Optimization

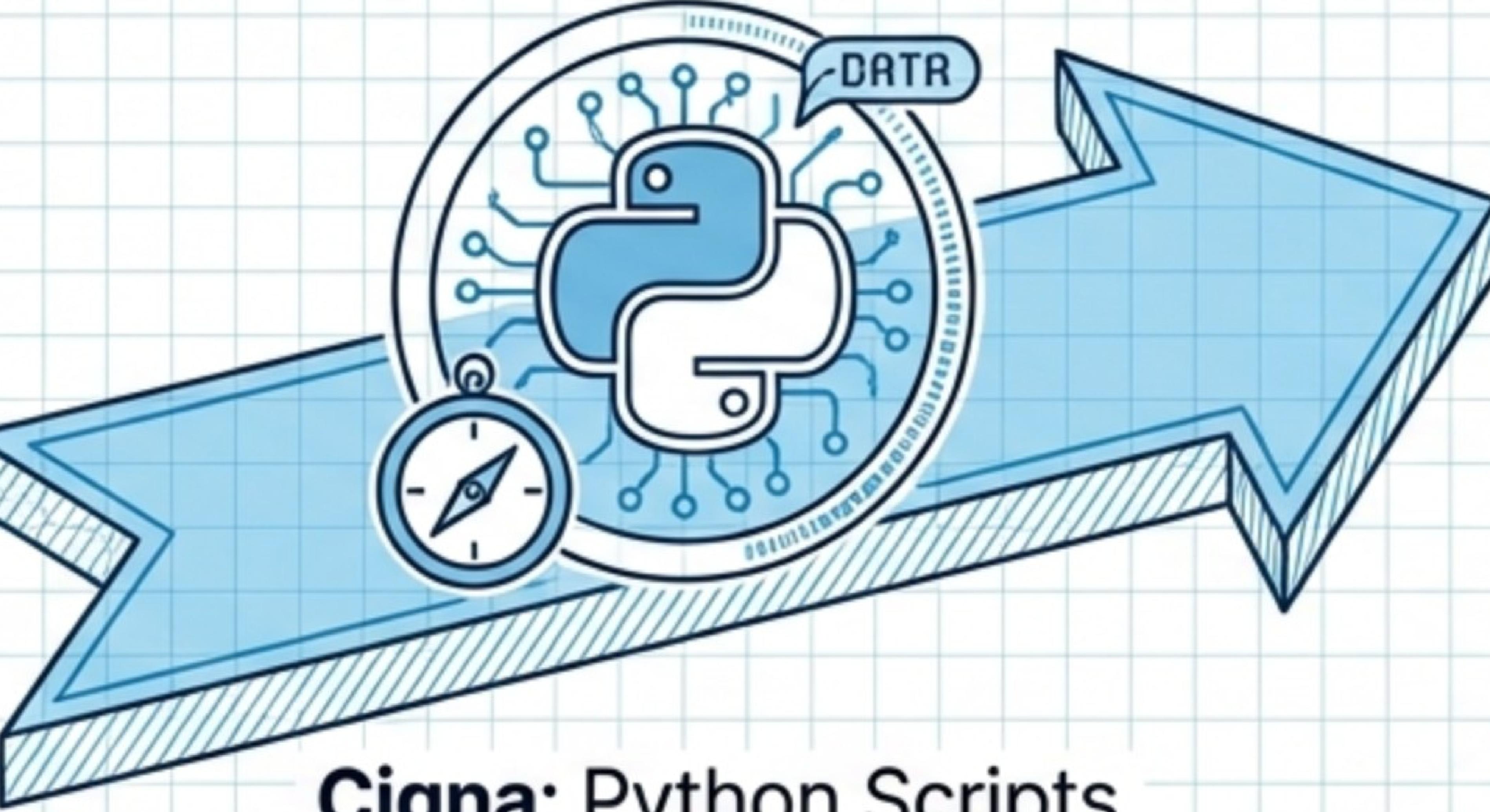


- Developed 8 mission-critical WPF applications using Prism framework.
- Optimized LINQ queries and Stored Procedures.
- Serving 500+ daily users with strict data accuracy requirements.

A Career Defined by Efficiency & Automation



IBM/Jabong: VBA Macros & Mainframe Integration.
(Saved 25+ hours/week)



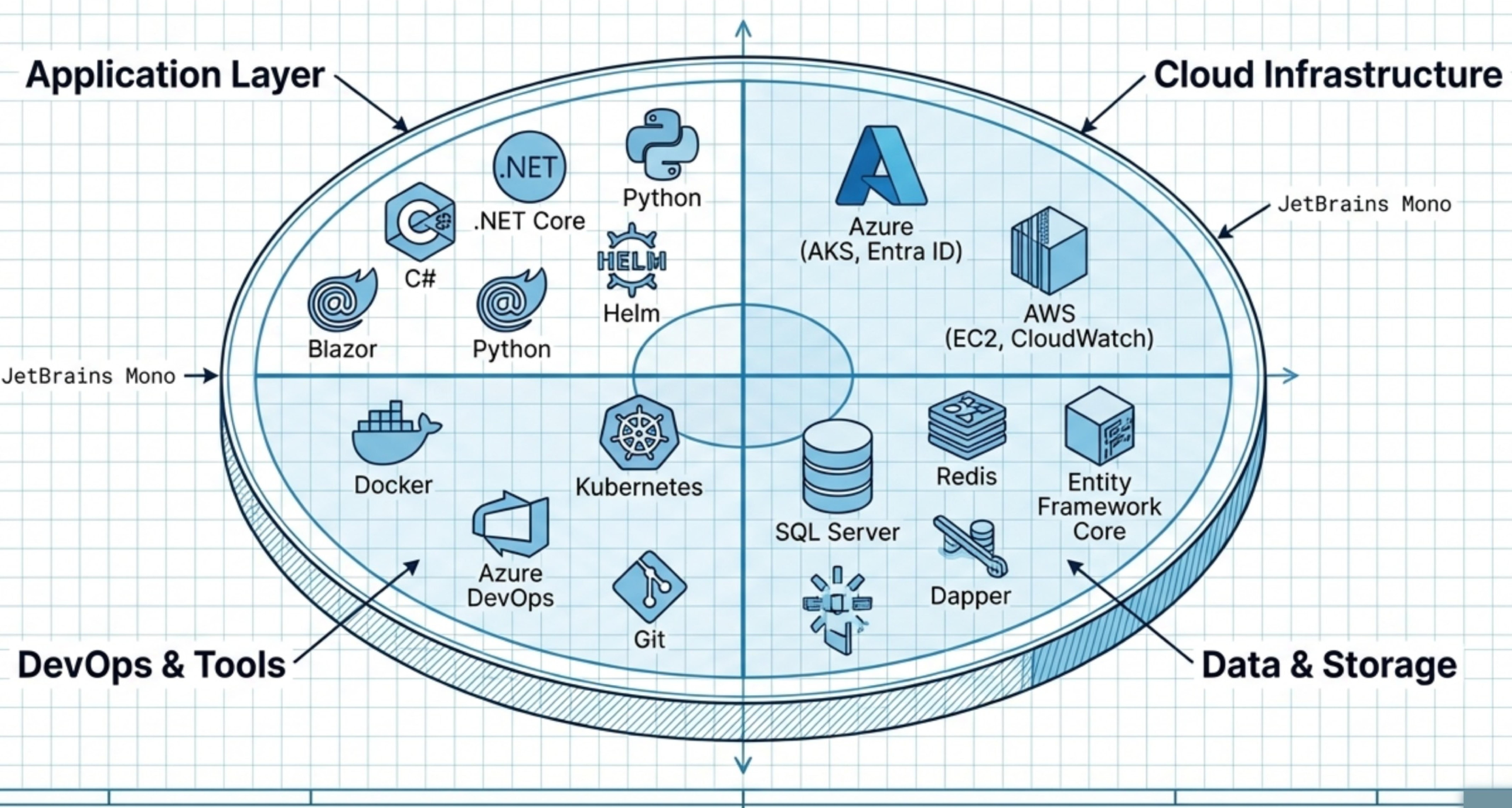
Cigna: Python Scripts
(Pandas/NumPy) for ETL.
(70% manual reduction)



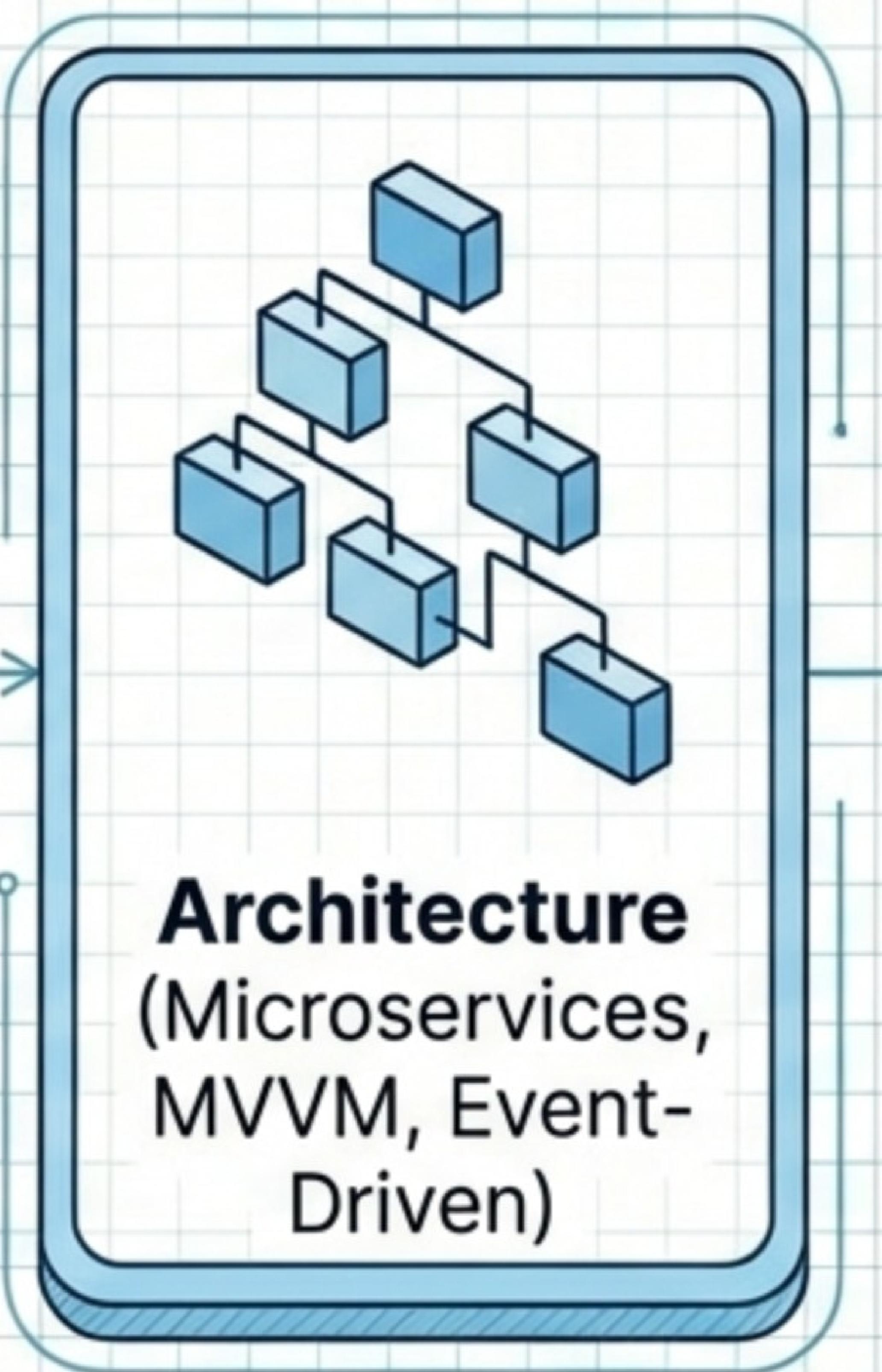
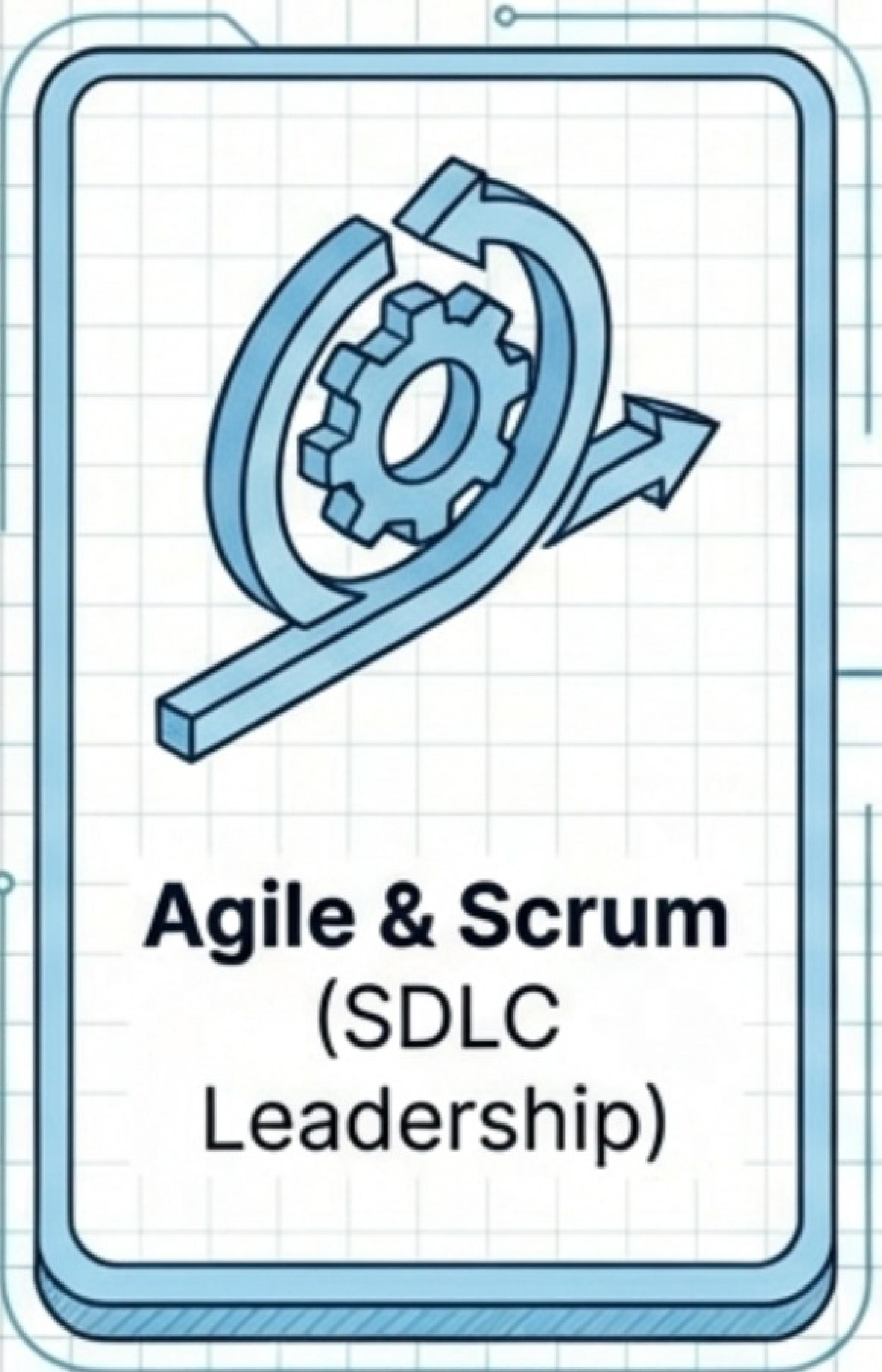
Current: Full CI/CD Automation & Container Scanning.



An Ecosystem of Cloud-Native Mastery



Engineering Philosophy & Best Practices



A Trajectory of Technical Evolution

2012-2015 | IBM & Jabong



2015-2019 | Cigna



2020-2022 | Concentrix



2022-Present | Coforge (SITA)



Foundations:
Mainframe integration, VBA Automation.

Optimization:
WPF Desktop Apps, Python Automation.

Scale: High-Volume APIs, AWS/Azure, Legacy Migration.

Leadership:
Technical Lead, Kubernetes, Critical Aviation Systems.

Ready to Architect Your Next Solution

Bringing 12+ years of expertise in .NET, Cloud, and DevOps to build scalable, resilient enterprise systems.



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