

Architecting Systems to Architecting Agility

The Technologist's Vantage Point

Part 2 of 7: Seeing the Friction

The Techie's Journey Recap

Understanding the Full Lifecycle

⚙️ My journey wasn't just design it was
the **entire lifecycle**.

⚙️ Hands-on experience from databases
to Cloud Native tech.

Wrestling With Scale

IoT Big Data Challenges

- ⚙️ Wrestled with connecting **tens of thousands** of IoT devices.
- ⚙️ Industrial sensors, connected appliances, vehicles generating gigabytes to terabytes daily.
- ⚙️ Designed systems handling **millions of writes/day** (telematics home comfort).

Data to Insights

Navigating Vast Datasets

⚙ Navigated challenges of analyzing vast datasets.

⚙ Generating **actionable insights** for automotive aftermarket services.

A Unique Vantage Point

Seeing Potential and Problems

- ⚙️ This broad deep experience provided a unique perspective.

- ⚙️ Saw firsthand the incredible **potential of technology** to transform industries.

Collaboration and Innovation

Pushing Boundaries Together

- ⚙️ Worked alongside brilliant engineers designers product managers.
- ⚙️ Pushing the boundaries of what was possible.
- ⚙️ Built global vehicle platforms optimized manufacturing floors improved home comfort.

The Emerging Observation

Recurring Systemic Patterns

⚙️ However across many projects teams contexts...

⚙️ Began noticing **recurring patterns**
systemic challenges.

⚙️ Seemed to hinder our ability to
deliver value effectively efficiently.

Common Growing Pains

Not Isolated Incidents

⚙️ These weren't issues unique to any single company or team.

⚙️ They felt like **common growing pains** within our rapidly evolving industry.

Seeds of a New Focus

Recognizing the Headwinds

⚙️ Despite cutting-edge tech talented individuals...

⚙️ Consistently observed certain **headwinds** often manifesting concretely.

Cynicism vs Desire

Seeking Full Potential Realized

⚙️ These observations weren't born from cynicism.

⚙️ Came from deep desire to see tech's **incredible potential fully realized.**

Witnessing the Struggle

Friction Hampering Brilliance

⚙️ Saw brilliant teams working hard
but hampered by **systemic friction**.

⚙️ Ambitious projects struggling
leading to frustration lost opportunities.

The Common Thread

Need for Agility Focus Execution

- ⚙️ Wasn't lack of talent or effort.
- ⚙️ Often a need for greater **agility**
sharper focus leaner execution.
- ⚙️ Echoing a long-held vision for
seamless creation.

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Read the Full Article: From Architecting Systems to Architecting Agility...

All resources mentioned are available at **<https://agilp.org/pdf/>**

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