

# 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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