Part 5 Two Decades at Bosch

Alliances Analytics and the Rise of Scaled Agile

Part 5 of 7: Intel, SMASH, Industry 4.0, and Early SAFe

Big Data Managed with Fundamentals Part 4

⚙ Showcased how simplicity & basics conquered scale with connected boilers.

⚙ The journey continued with new collaborations and evolving methodologies.

IoT Data Analytics DevOps on AWS

⚙ Integrated environmental sensors onto Intel's Galileo board.

⚙ Acquired data via IoT, performed analytics using Hadoop ecosystem.

⚙ All enabled by a DevOps environment on AWS.

Identifying Issues in Partner Technology

⚙ During volume testing with Intel, I helped identify an internal issue...

⚙ ...in their TimeSeries database that was causing instability.

⚙ Another instance where deep data knowledge was key.

§ 4/11: SMASH Social Media Analytics Product

Analyzing Tweets for Bosch Product Insights with ML

⚙ Developed SMASH to analyze tweets related to Bosch products.

⚙ Used Machine Learning to derive insights, understand sentiment.

⚙ An early application of ML for business intelligence.

Contributing to Another Flagship Project

⚙ Rejoined teams in Plochingen to work on a nextGen flagship project for Workshops.

⚙ Utilized the latest tech stacks available at the time.

Architecting Shop Floor to Top Floor Solutions Globally

⚙ My role evolved into that of an Industry 4.0 consultant.

⚙ Architecting solutions connecting manufacturing shop floors to enterprise systems for clients worldwide.

§ 7/11: The Rise of Scaled Agile Frameworks

Multiple Teams Collaborating on Larger Platforms

⚙ Soon, we were embracing Scaled Agile frameworks like **SAFe**.

⚙ The norm became multiple teams collaborating on smaller products/apps...

⚙ ...all contributing to a larger, integrated platform.

Enabling a New Wave of PoCs and Products

⚙ The Bosch IoT Cloud (BIC), built on Cloud Foundry, emerged.

⚙ This, alongside the evolving Bosch IoT Suite, spurred innovation.

BIC and IoT Suite Paving the Way

⚙ These platforms laid a **robust foundation** for Bosch's digital journey.

⚙ Enabling numerous PoCs and products for the decade to come.

Learning to Architect and Collaborate at Scale

⚙ This period was about understanding how to apply architectural principles...

⚙ ...and Agile collaboration across larger, multi-team programs.

§ 11/11: New Chapter in Germany

Deeper Dive into SAFe and Championing Simplicity

⚙ The experiences set the stage for my next move.

⚙ **Next Up (Part 6):** Permanent role in Germany, SAFe immersion, and the push for simplicity.

⚙ Stay tuned!

Alliances Analytics and Scaled Agile Rise

Part 1: Early Days & First Innovations

Access Part 1 PDF

Part 2: Vehicle Diagnostics & Personal Growth (Santa Barbara)

Access Part 2 PDF

Part 3: Oracle Migration & NextGen Platform (Plochingen)

Access Part 3 PDF

Part 4: Connecting Boilers & Taming Big Data (Lollar)

Access Part 4 PDF

Part 5: Alliances, Analytics & Scaled Agile Rise (Current)

Access Part 5 PDF

Part 6: Germany, SAFe & Championing Simplicity (2019-2023)

Access Part 6 PDF

Part 7: Reflections, The Pivot & Future Vision

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Read the Full Article: Two Decades at Bosch...

All PDF carousels available at **https://agilp.org/pdf/**

Read the Full Article on LinkedIn

What Are Your Experiences with Large Scale Agile and IoT?

LinkedIn: https://www.linkedin.com/in/amitabhrjha/

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Connecting the shop floor to the top floor, agilely.

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Community sharing.