

DIGITAL TRANSFORMATION WITH AGILE – HOW TO BRIDGE GAP BETWEEN SR. EXECS. AND DEV. TEAMS

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ABOUT ME

- My name is Rohit Sinha. I am a Sr. Product Manager work for Synerzip. In my current role, I help technology companies in accelerating their roadmap. I help them with my engineering teams, and provide management and technology consulting. I am a software developer by heart. I live in Dallas with my wife and our two wonderful daughters. During free time I love spending time with family.
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TOPICS

- Current Situation
- Limitations of managing Agile projects
- What about Project Success Factors
- This is beyond Agile
- Digital Transformation
- Demo
- Architecture
- Roadmap & Vision
- Agile Digital Transformation– what it takes
- Q&A



CURRENT SITUATION

- **Typical Scenario**

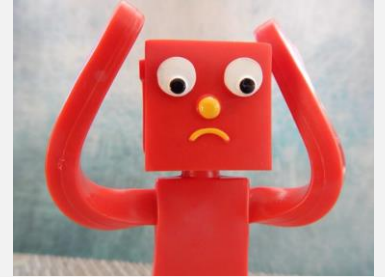
- Team decides to use Project Management tool for managing user stories and projects
- Agile approach - Scrum/Kanban
- Important roles assigned - Scrum Master, Product Owner etc.
- Scrum ceremonies decided
- Team agreement signed
- Project starts!



END RESULT?

CURRENT SITUATION

- **End Result**
 - Last minute surprises
 - Key requirements (like Security, HIPAA compliance etc.) missing
 - Dependencies still exists
 - Features did not work the way they were supposed to work
 - Extended timelines
 - Brings down team morale
 - Significant Cost Impact



WHAT WENT WRONG?

AUDIENCE POLL

WHAT WAS THE MAJOR HURDLE?

- Inflexible cost and timelines?
- Understanding of Agile Metrics?
- Distributed Teams?

LIMITATIONS OF MANAGING AGILE PROJECTS

- Gap in understanding
 - Senior Management vs. Dev.Team
 - Project completion vs Sprint burndown
 - Total Effort vs Story Points
 - Inflexible costs / timelines vs. adaptive approach
 - Distributed teams
 - Personality and culture



LIMITATIONS OF MANAGING AGILE PROJECTS

- Understanding of the sprint progress
 - Need of Agile skills or PM tool skills critical
- Managing Sprint Health
 - How do we know agile metrics reflect good health?
- Identifying Bottlenecks
 - Sprint Burndown
 - Sprint Velocity



WHAT ABOUT PROJECT SUCCESS FACTORS?

- Examples
 - HIPAA
 - In case of a healthcare application- did backlog pass the smell test?
 - Security
 - Are the required security users stories part of the backlog?
 - Mobile Enabled
 - Track if product is paying enough attention to native mobile platform?
 - Is native application more like a web application?
 - Other Dependencies
 - Are the dependencies taken care early-on or waiting for last minute surprises?



THIS IS BEYOND AGILE

- Are we expecting too much from our teams
 - Scrum Master
 - Product Owner
- Should they be supported by technology?

. DIGITALLY TRANSFORM TO BRIDGE GAPS
BETWEEN SR. EXEC'S AND DEV. TEAMS

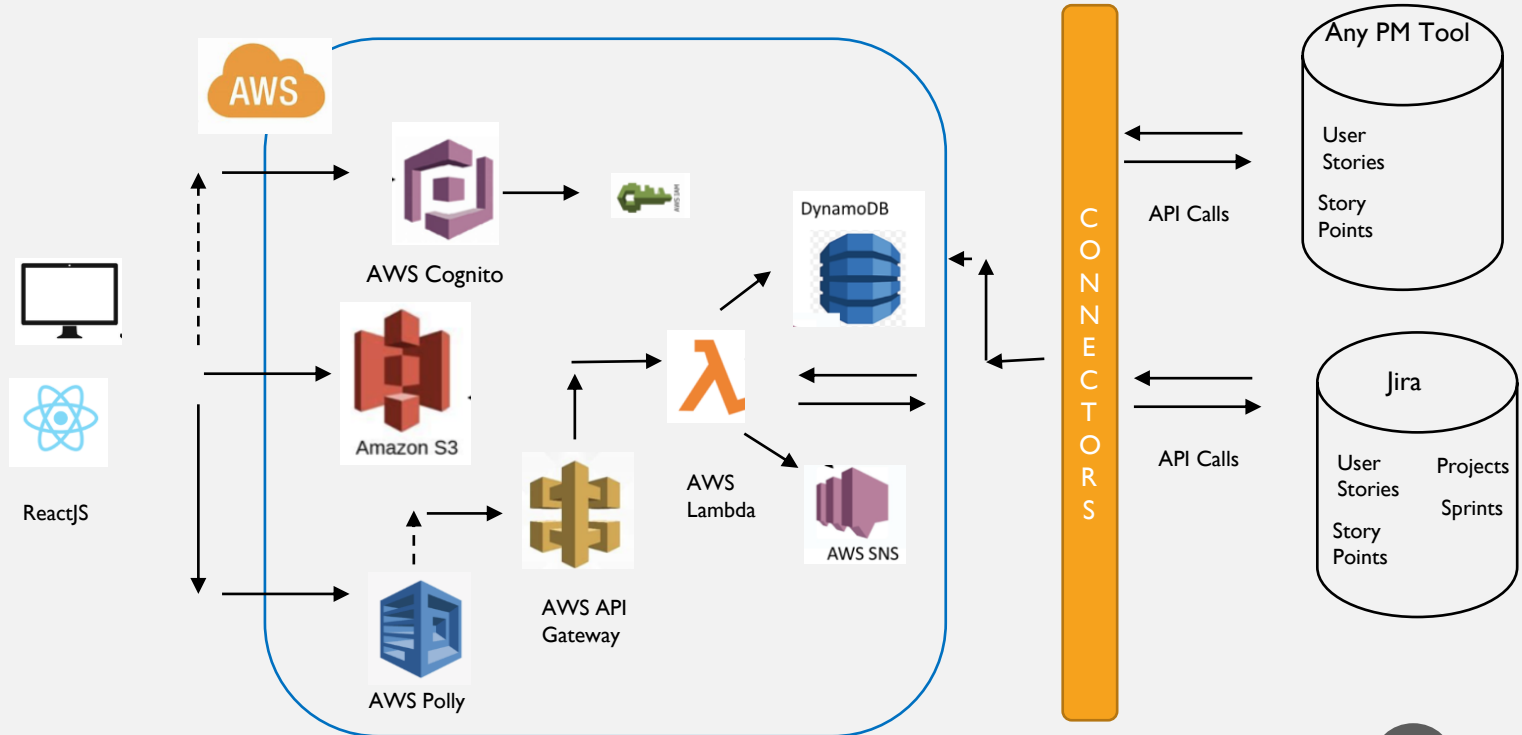
DIGITAL TRANSFORMATION

- Look beyond typical Project Management tools
- Forms of digital transformation
 - Available 24x7 to all stakeholders
 - Can be a couple of web pages
 - Focus on key agile metrics
 - Can be a SharePoint dashboard
 - Can be a robust, scalable, intuitive dashboard reflecting progress, bottlenecks and status of non functional requirements



DEMO

DEMO - ARCHITECTURE



ROADMAP & VISION

- Improve predictability with NLP, ML and AI
- Incorporate Blockchain to keep past sprints/historic data immutable ?
- Develop a multi-cloud, blockchain based AI solution



KEY TAKEAWAYS

- Does not require Agile or Jira Skills
- Helps in identifying gaps in the Agile Process
- Empower teams to develop strategy based on tangible data (agile metrics & non functional needs)
- GPS like navigation of the product development progress
- Raises red flags and helps in timely course corrections
- Helps in productive management meetings

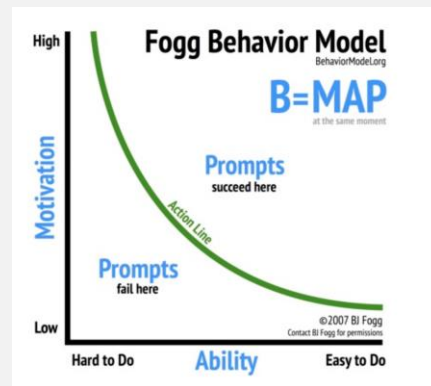
AUDIENCE POLL

DOES THIS TRANSFORMATION HELPS IN BRIDGING GAPS?

- Strongly Agree
- Somewhat Agree
- I don't think so

DIGITAL TRANSFORMATION – WHAT IT TAKES

- B.J. Fogg's Behavior Model (<https://www.behaviormodel.org>)
 - **Three elements must converge at the same moment** for a behavior to occur: **Motivation**, **Ability**, and a **Prompt**.
 - When a behavior does not occur, at least one of those three elements is missing.



Reference - <https://www.behaviormodel.org>

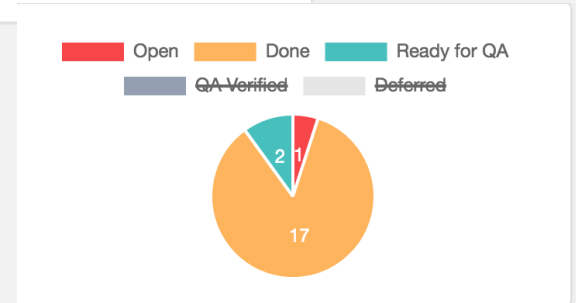
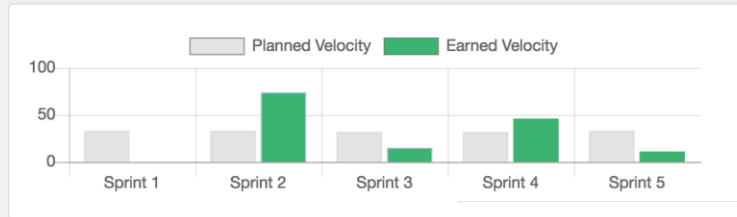
DIGITAL TRANSFORMATION – WHAT IT TAKES

- Key Agile Metrics
 - Key metrics to be part of this transformation
 - Product Burndown
 - Product Burnup
 - Sprint Burndown
 - Sprint Burnup



DIGITAL TRANSFORMATION – WHAT IT TAKES

- Key metrics to be part of this transformation
 - Sprint Velocity
 - Planned vs Actual Story Points
 - QA Statistics



QUESTIONS?

Thanks!

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