

Accion
INNOVATION
SUMMIT 2023

02-05 March 2023,
Sofitel Dubai
The Palm Jumeirah
Dubai

INNOVATION SUMMIT 2023



Innovation Summit Themes and Agenda Overview

Accion

INNOVATION SUMMIT 2023

Accionlabs



Ashutosh Bijoor

CTO, Accion Labs

Technical Adventurer,
Amateur Cyclist,
Aspiring Musician,
Educated Mathematician

The background of the slide is a vertical composition. On the left, there is a photograph of the Burj Khalifa skyscraper in Dubai, with a bright blue sky and a few clouds. Below the tower, a cityscape is visible, including a large, vibrant blue artificial lake or fountain. On the right side of the image, there is a solid green vertical bar. The text "Table of Contents" is overlaid in white, bold, sans-serif font on the left side of the image.

Table of Contents

Themes of the Innovation Summit

Highlight - Generative AI & LLMs & Data Evolution

Highlight - Pathology of Digital Product Engineering

Demo Booths

Panel Discussions

Interaction and Collaboration during the Summit

Accion

INNOVATION
SUMMIT 2023

Accionlabs



Themes of the Innovation Summit



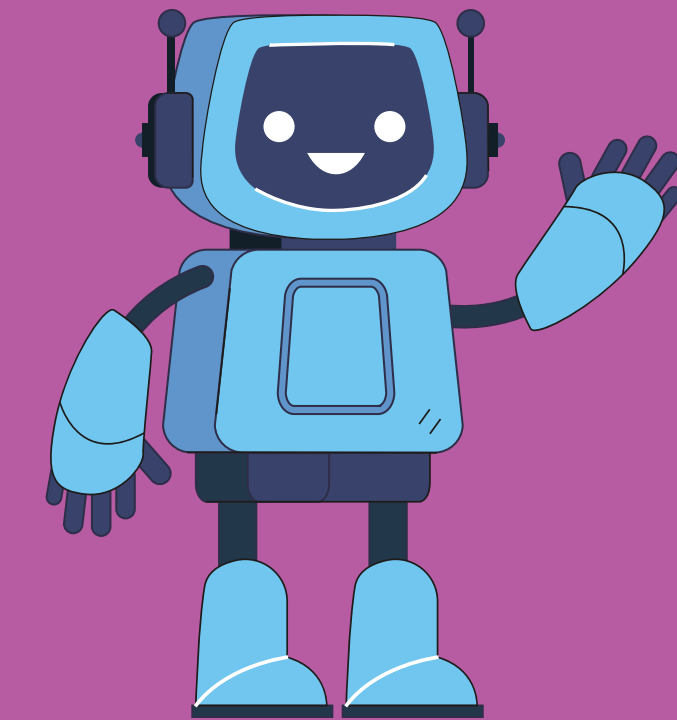
Innovation Engineering Lifecycle

Digital Product Engineering



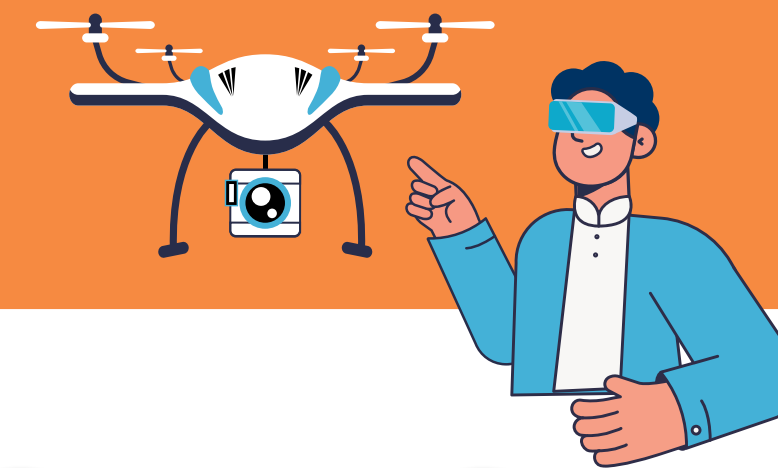
Data Analytics & AI/ML

Cloud Platforms



Automation

Emerging Technologies



2014

2015

2016

2017

2018

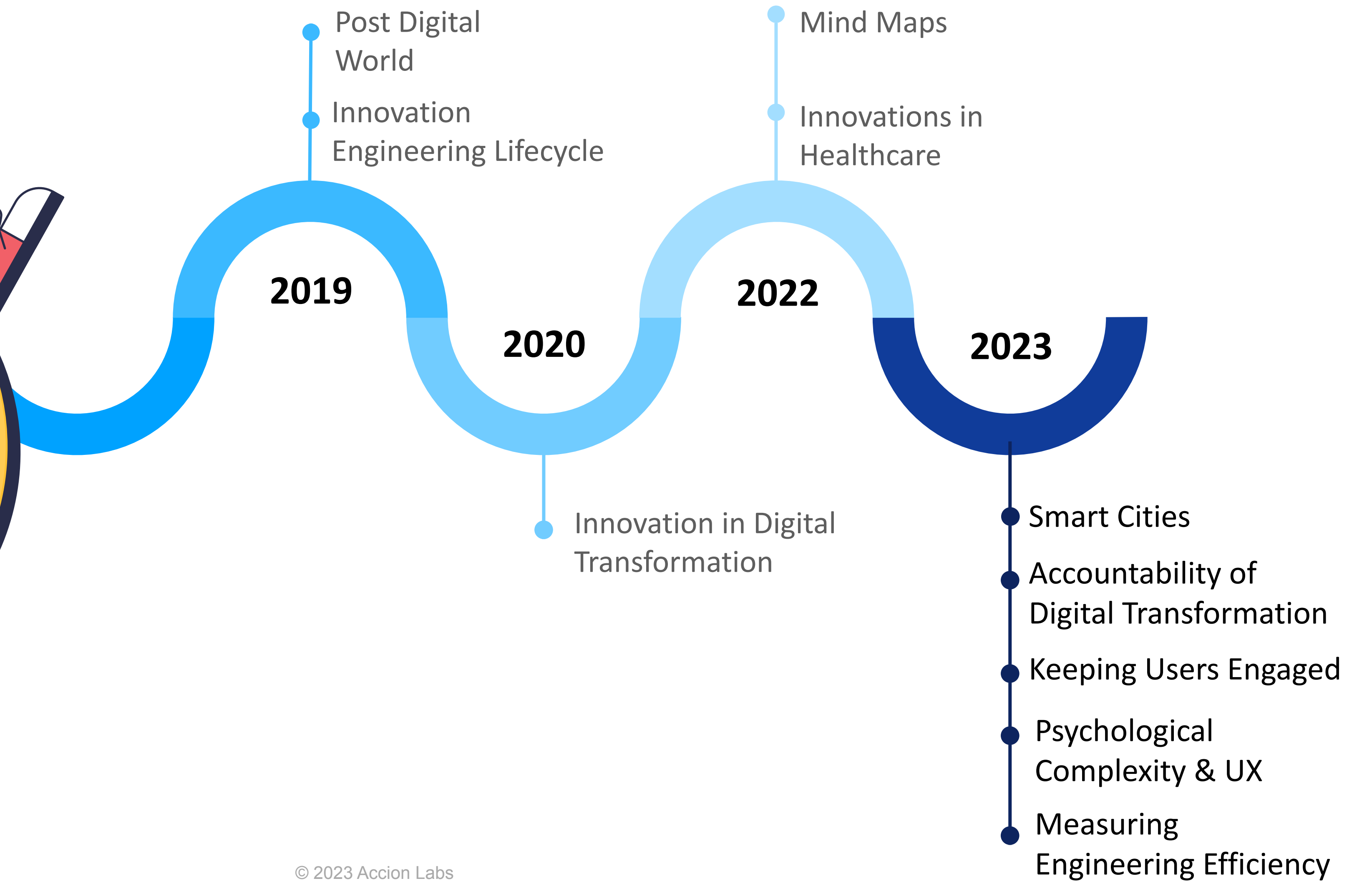
2019

2020

2021

2022

2023





2018

- UX Patterns & Design Systems
- Mitigating Risks of Microservices
- Conversational UI
- Mandating Accessibility

2019

- Breeze Blueprint
- Orchestration v/s Choreography
- Conversational Interface Design
- Agile Project Estimation
- COTS & Microservices Integration

2020

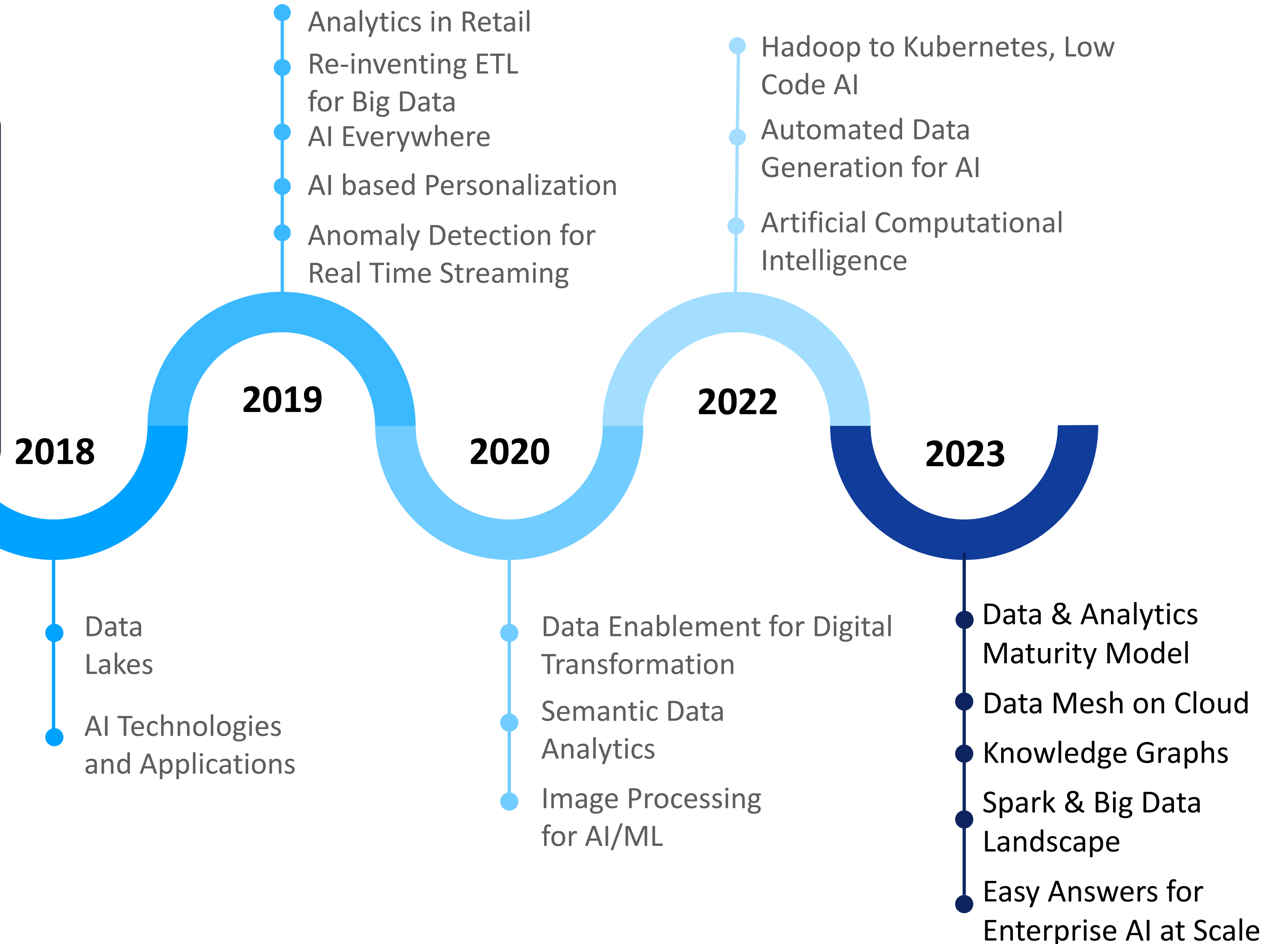
- Re Engineering & Multi-tenancy
- Overcoming Users' Physical Challenges
- Serverless, Containers or VMs
- Dynamic Pricing Models

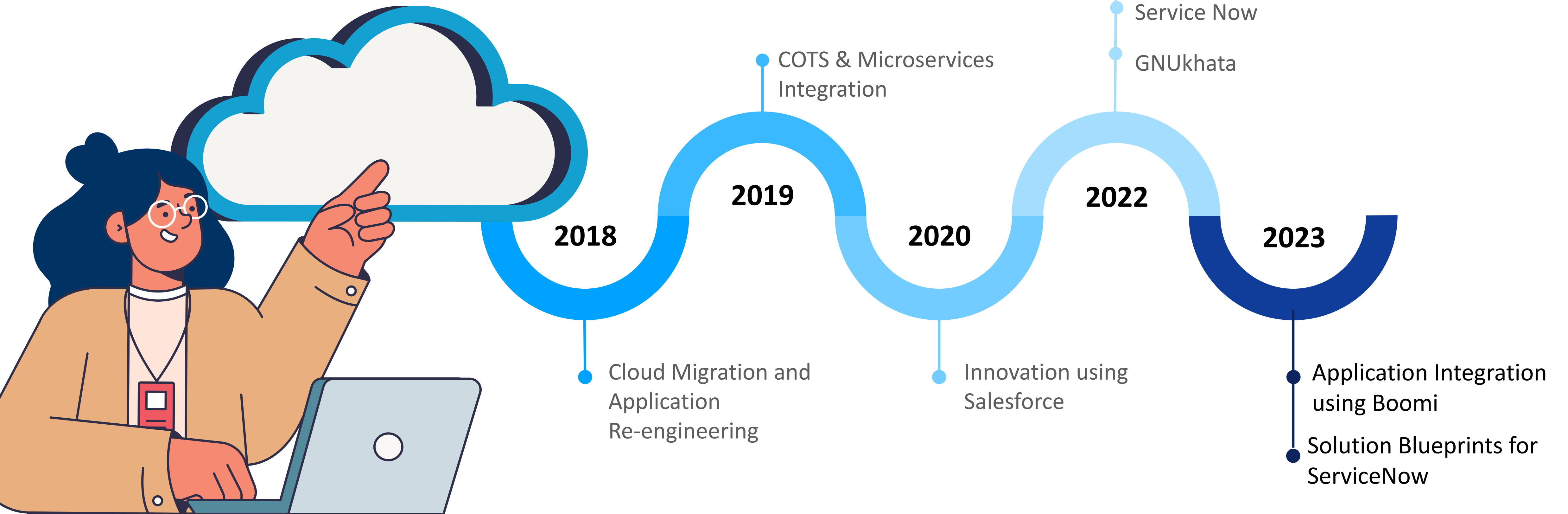
2022

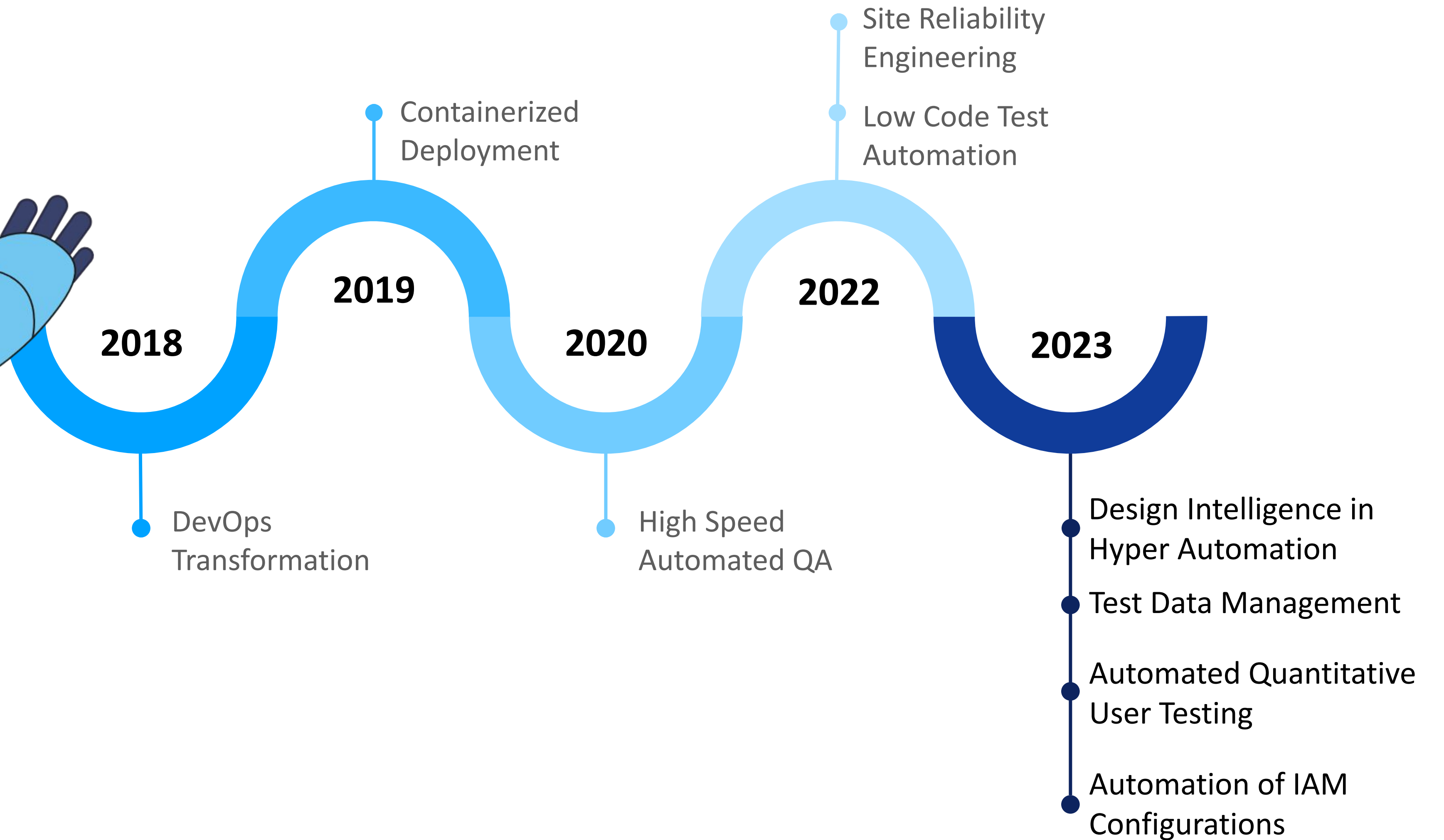
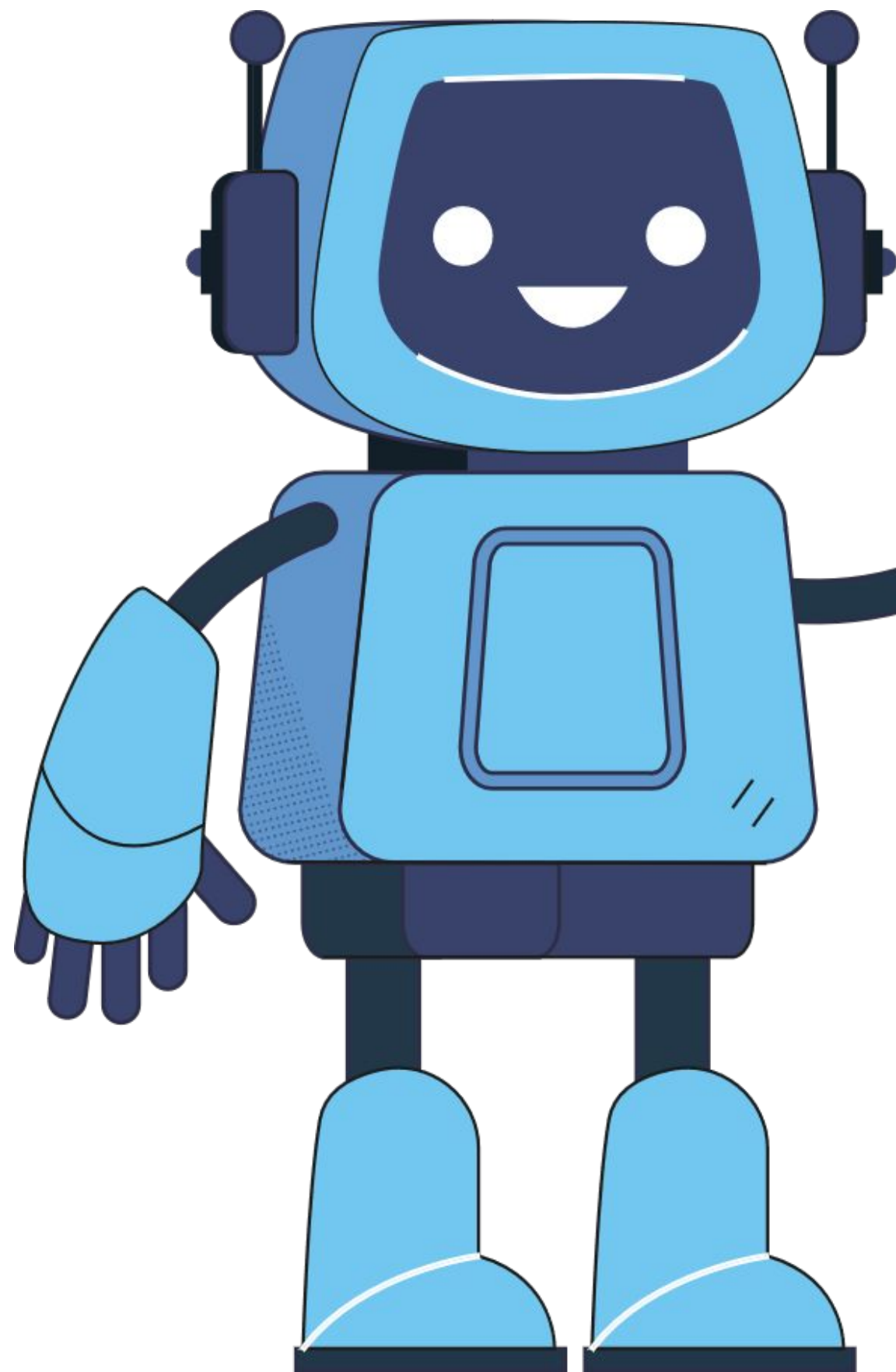
- Architecture Governance & Design as Code
- Database Schema Driven Domain Identification
- Micro Frontends
- Accessibility in Action
- Unifying IAM
- Breeze Updates

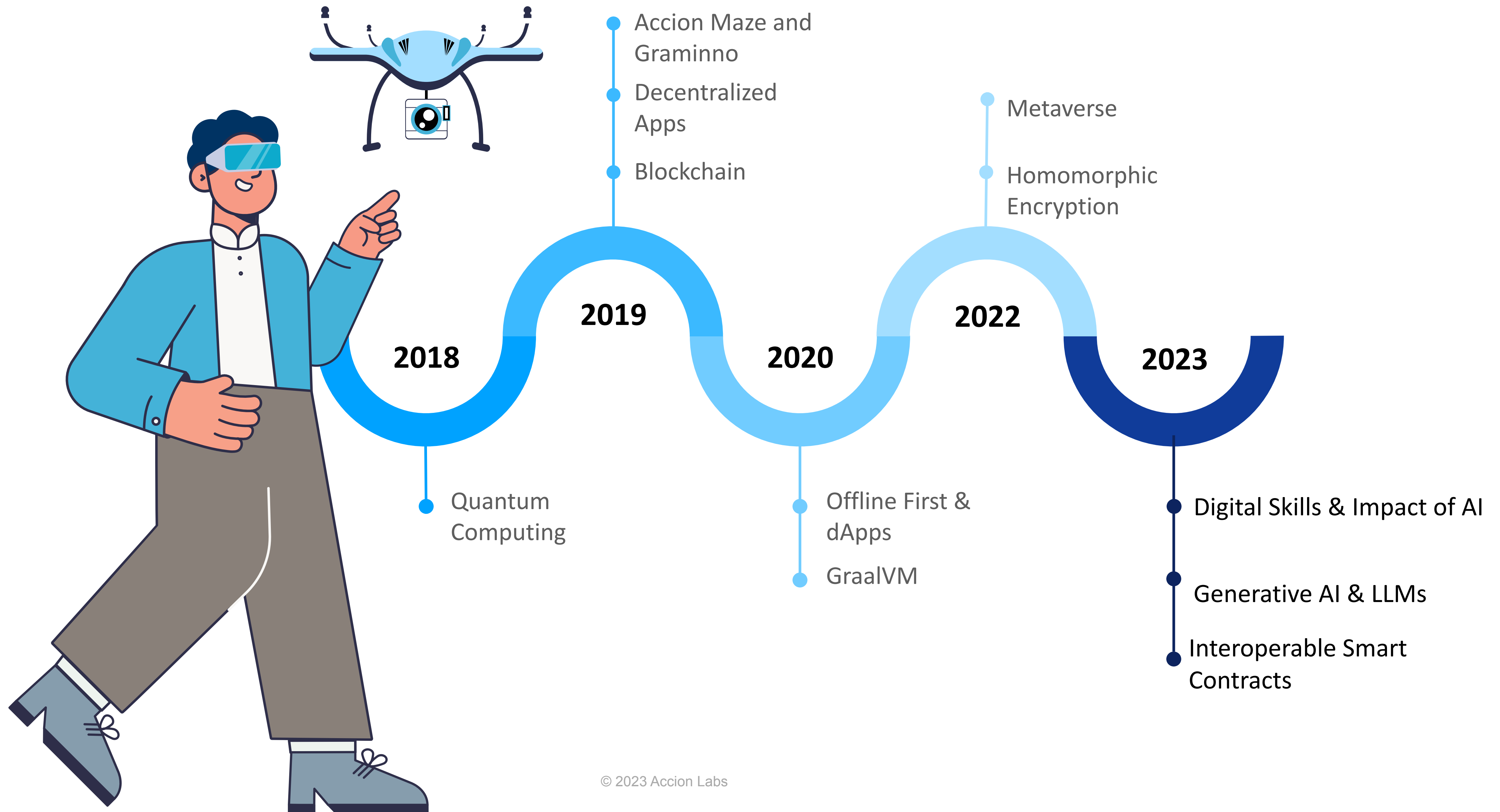
2023

- User Provisioning & Churn
- Backendless Applications
- Measuring Technical Debt
- Architecture Models & Complexity
- Product Portfolio Rationalization
- Finite State Machines









Accion

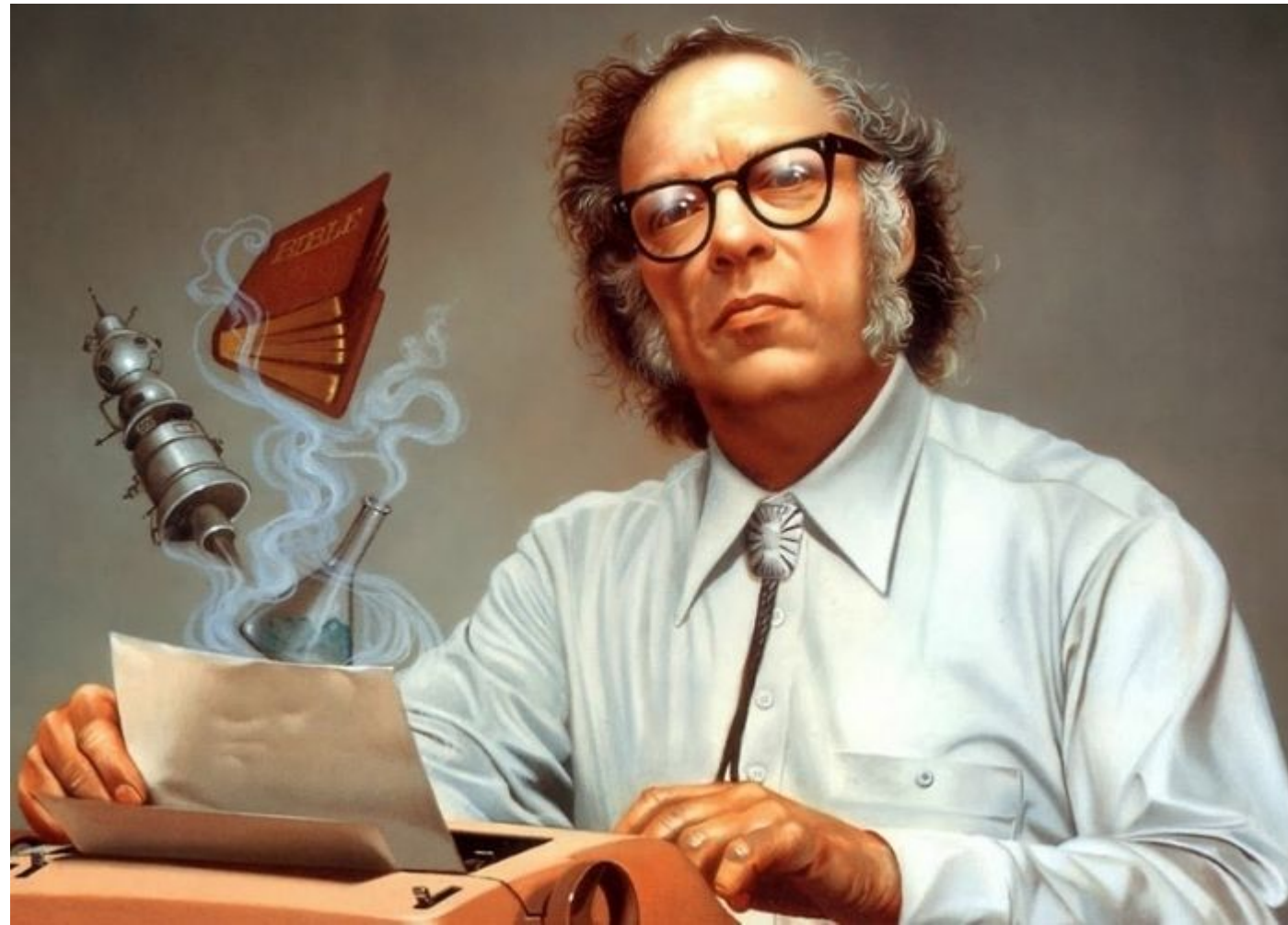
INNOVATION
SUMMIT 2023

Accionlabs



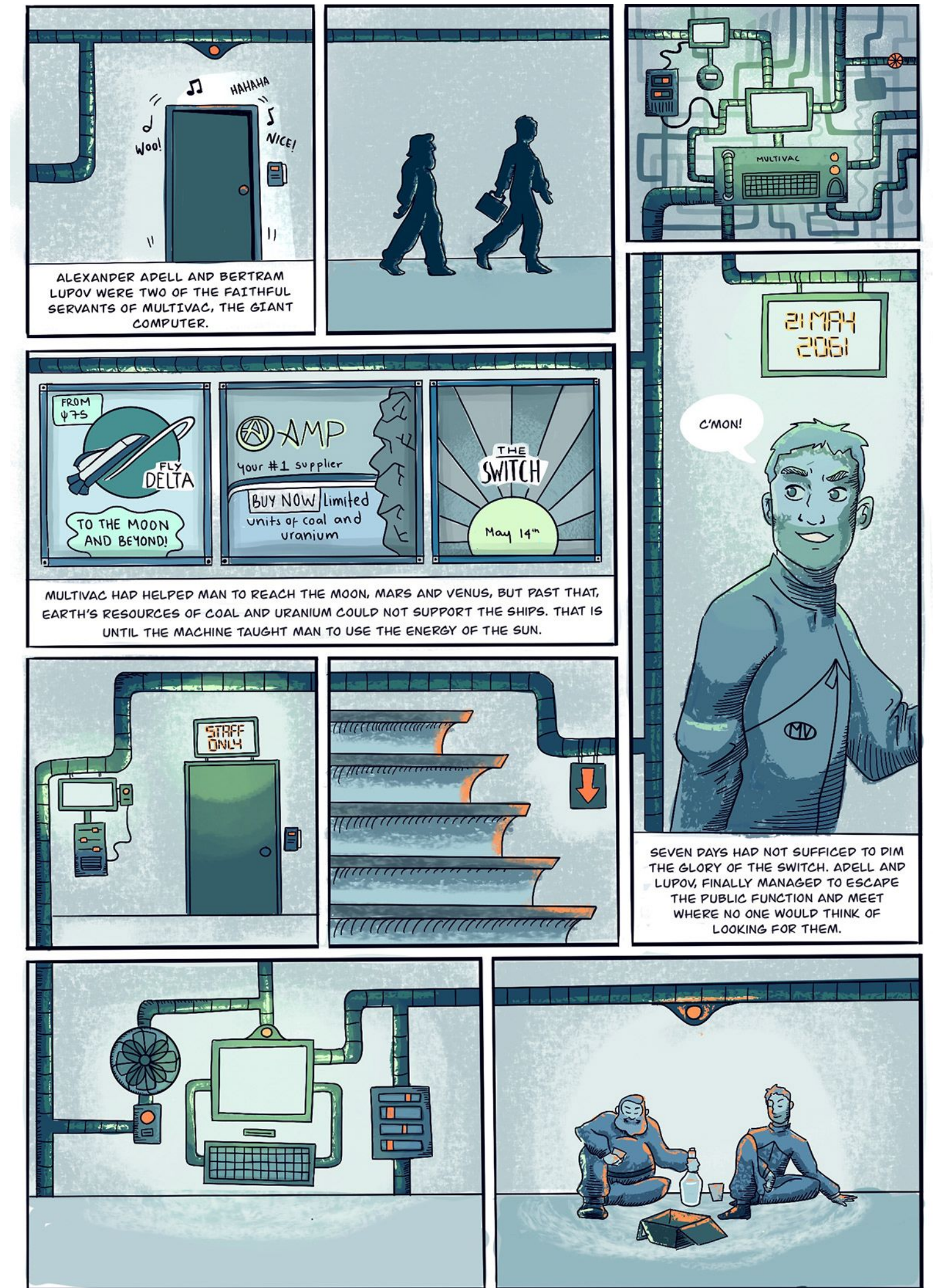
Highlight -
Rapid Evolution of Data & AI

Science Fiction or Reality?



1956:

- Isaac Asimov's Story
- Multivac - A Super Computer
 - a self-adjusting and self-correcting computer
- Fed Data for Decades
- Can Answer Any Question!
 - Allowing man to reach beyond the planetary confines of Earth



Illustrations by Juliana Rojas - <https://www.behance.net/gallery/102075221/The-Last-Question>

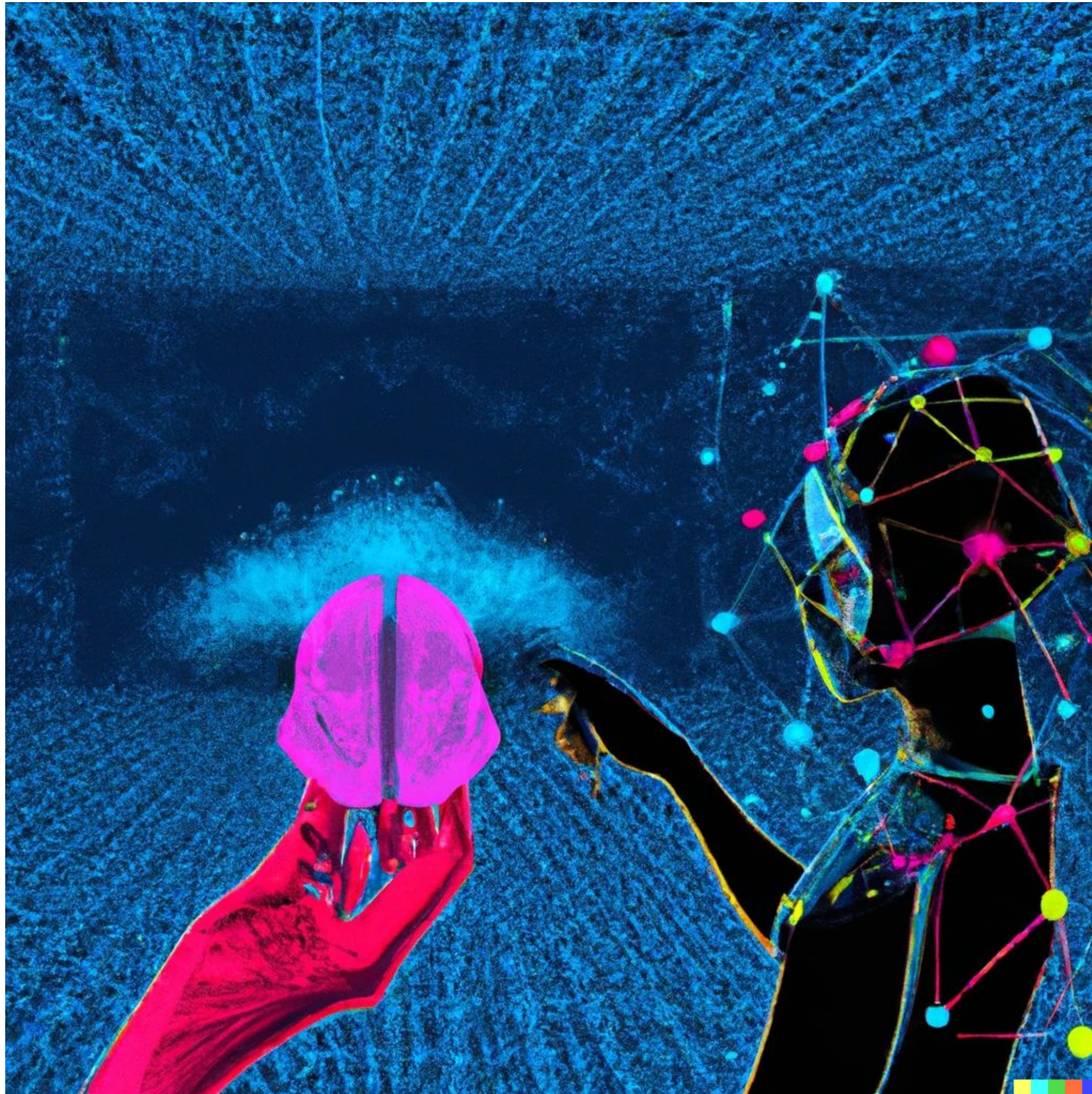


Image Generated by Dall-E



Summarize how Isaac Asimov's The Last Question has become almost real with Generative AI and Large Language Models in three statements

1. "The Last Question" is a science fiction story by Isaac Asimov that explores the idea of a **super-intelligent computer capable of answering any question** and ultimately solving the problem of entropy.
2. **Advances in generative AI and large language models** have brought us closer to realizing this concept, as they have enabled computers to generate and process vast amounts of information, making them more **intelligent and capable of answering increasingly complex questions.**
3. While we may not yet have a fully functioning "multivac" like in Asimov's story, the development of advanced AI technologies has brought us closer to achieving the kind of **intelligence and problem-solving abilities once only imagined in science fiction**



Question Answered by ChatGPT

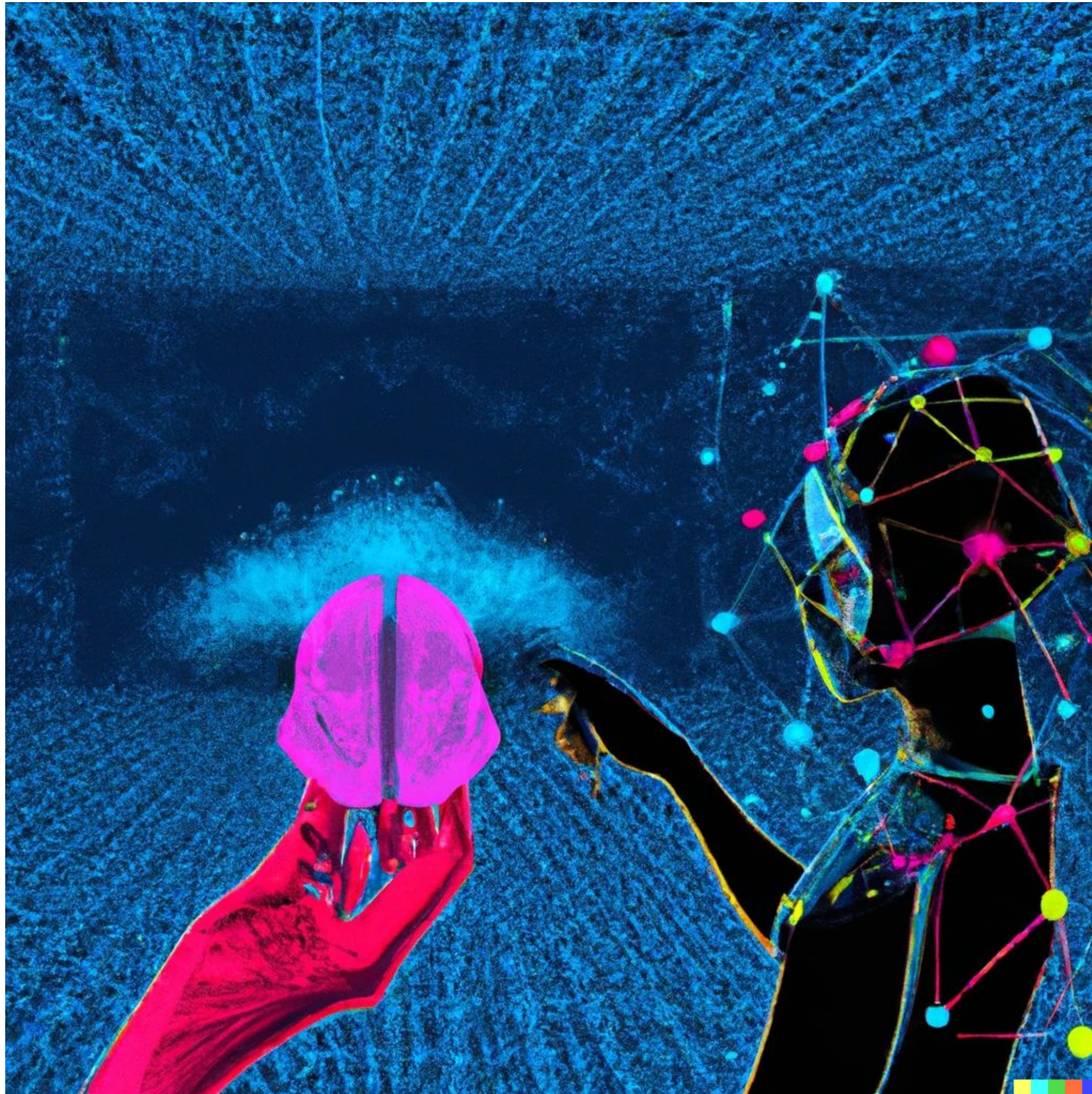


Image Generated by Dall-E



Summarize how Isaac Asimov's *The Last Question* has become almost real with Generative AI and Large Language Models in three statements

1. "*The Last Question*" is a science fiction story by Isaac Asimov that explores the idea of a **super-intelligent computer capable of answering any question** and ultimately solving the problem of entropy.
2. **Advances in generative AI and large language models** have brought us closer to realizing this concept, as they have enabled computers to generate and process vast amounts of information, making them more **intelligent and capable of answering increasingly complex questions**.
3. While we may not yet have a fully functioning "multivac" like in Asimov's story, the development of advanced AI technologies has brought us closer to achieving the kind of **intelligence and problem-solving abilities once only imagined in science fiction**

Question Answered by ChatGPT



Topics and Speakers

Date & Time	Topic	Speaker(s)
3rd March, 12:30 pm	Driving Business Transformation with Data & Analytics Maturity	Karteek Yadavilli, Sriram Bajrang Bulusu
3rd March, 2:30 pm	The Evolution of Digital Skills and the role of AI	Ramesh Narasimhan
3rd March, 3:00 pm	Data Mesh on Cloud - a Modern Distributed Data Architecture	Tarun Agarwal, Padmavathi Vijay
3rd March, 4:45 pm	Generative AI, LLMs (like ChatGPT) and ML in Production	Chetan Khatri
3rd March, 5:15 pm	Knowledge Graphs on Steroids, with Natural Language Queries	Bhushan Bonde
4th March, 12:15 pm	Is Spark losing its sparkle? - Big Data Analytics Reinvented	Dwaip Choudhary, Sanket Shah
4th March, 2:15 pm	Easy Answers for Enterprise AI at Scale	Vaibhav Nadgauda

Accion

INNOVATION
SUMMIT 2023

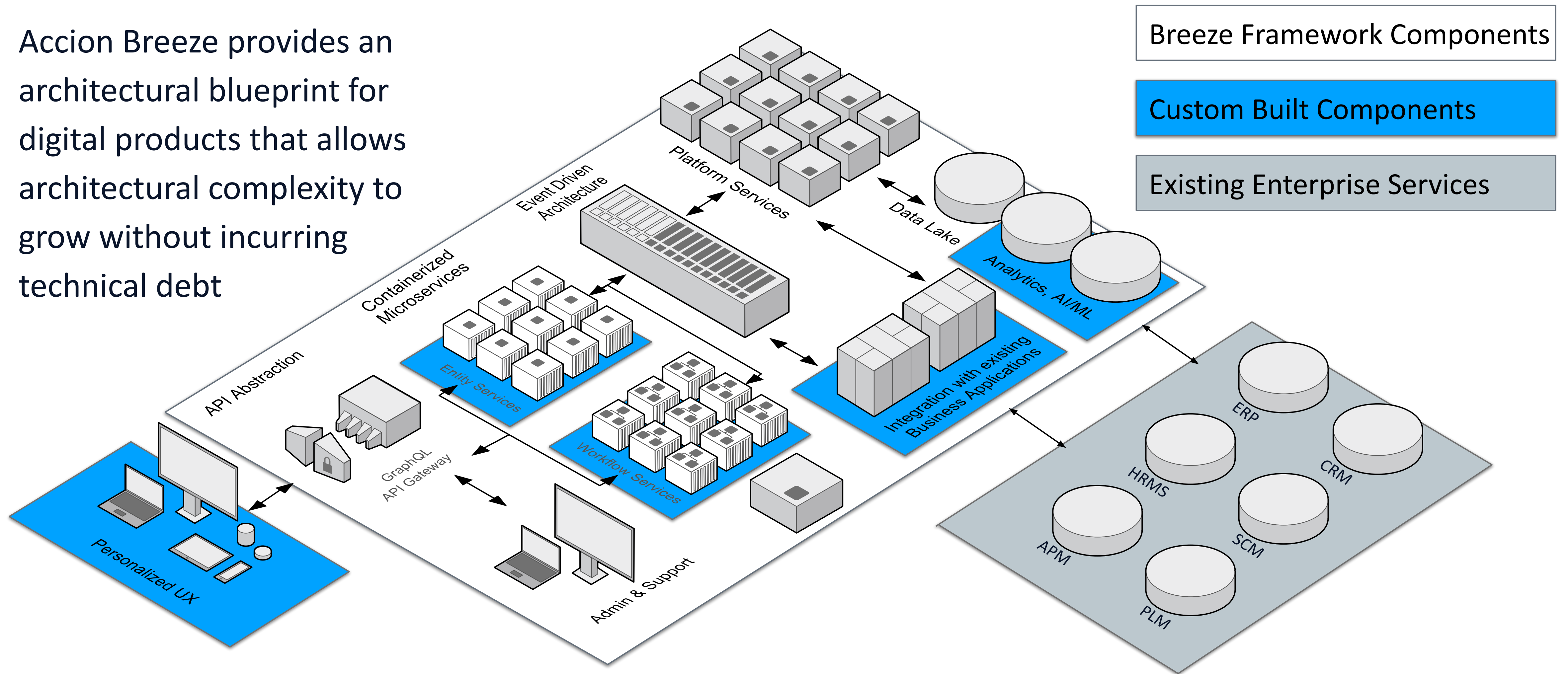
Accionlabs

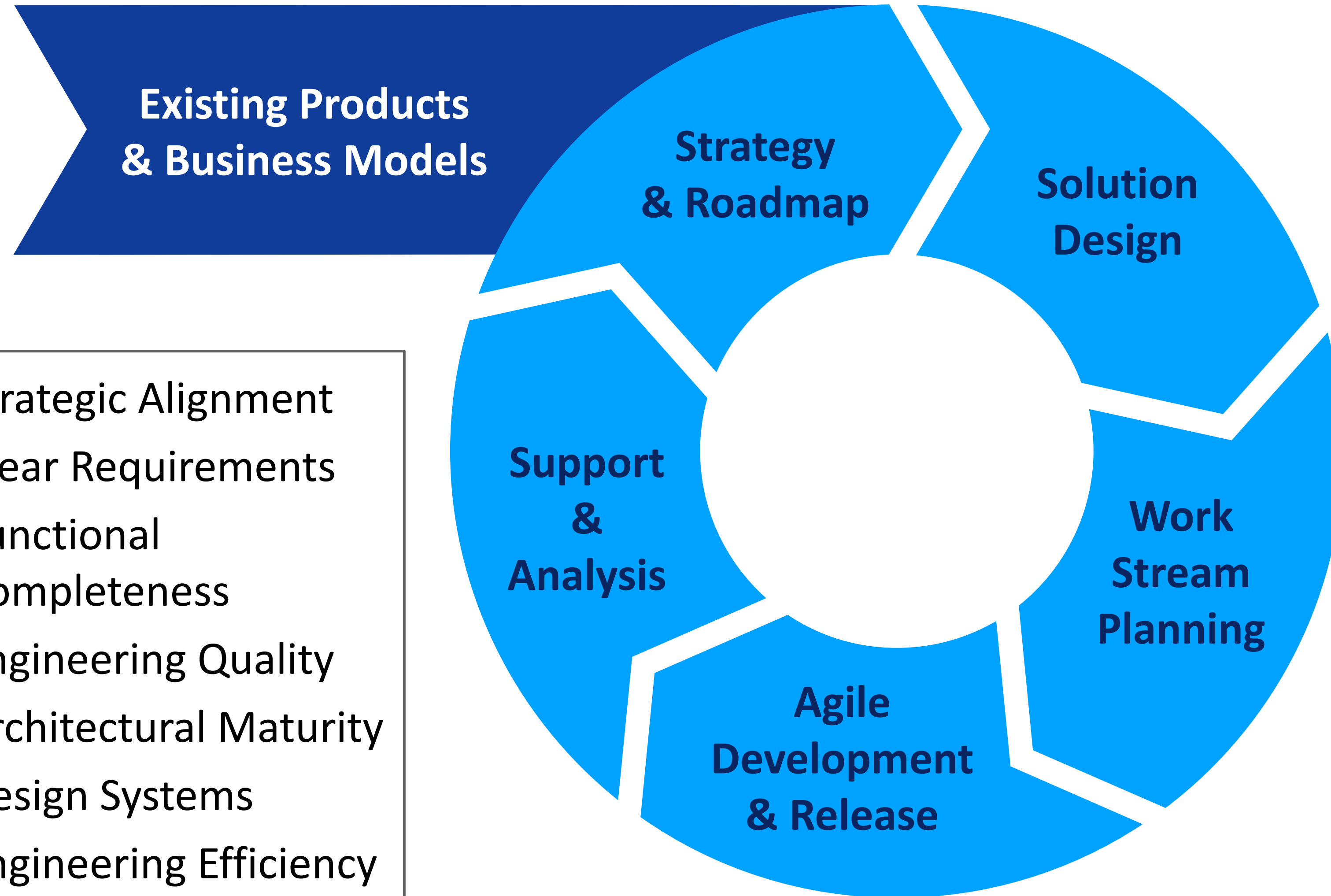


Highlight - Pathology of Digital Product Engineering

Accion Breeze - Digital Product Architecture Blueprint

Accion Breeze provides an architectural blueprint for digital products that allows architectural complexity to grow without incurring technical debt





**Existing Products
& Business Models**



- Strategic Alignment
- Clear Requirements
- Functional Completeness
- Engineering Quality
- Architectural Maturity
- Design Systems
- Engineering Efficiency
- Data & User Analytics



- User Acceptance Tests
- Quantified Improvements in User Experience
- Quantified Architectural Benefits
- Quantified Technical Benefits
- Quantified Automation Benefits

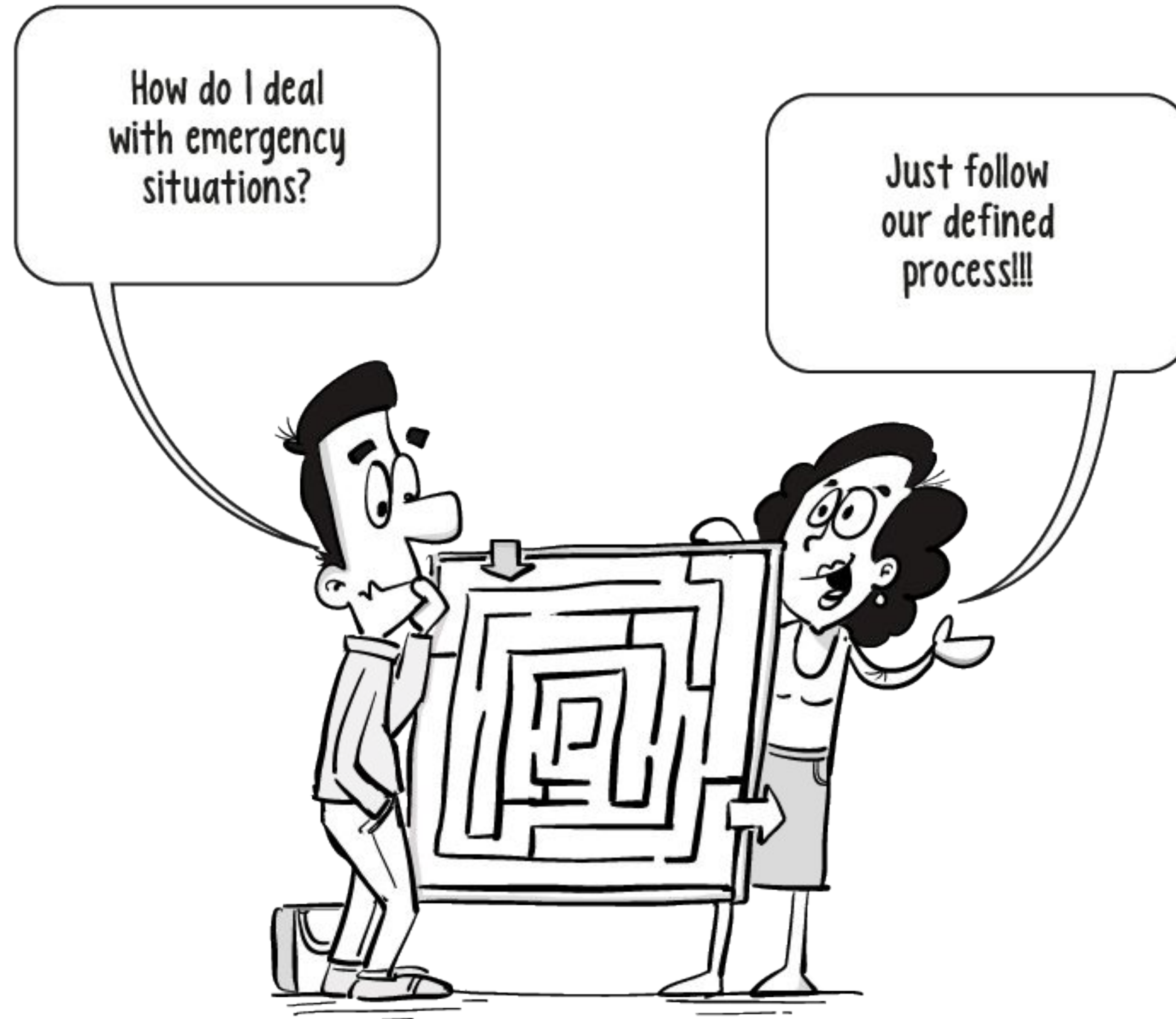
Challenges: Users want MORE FEATURES!



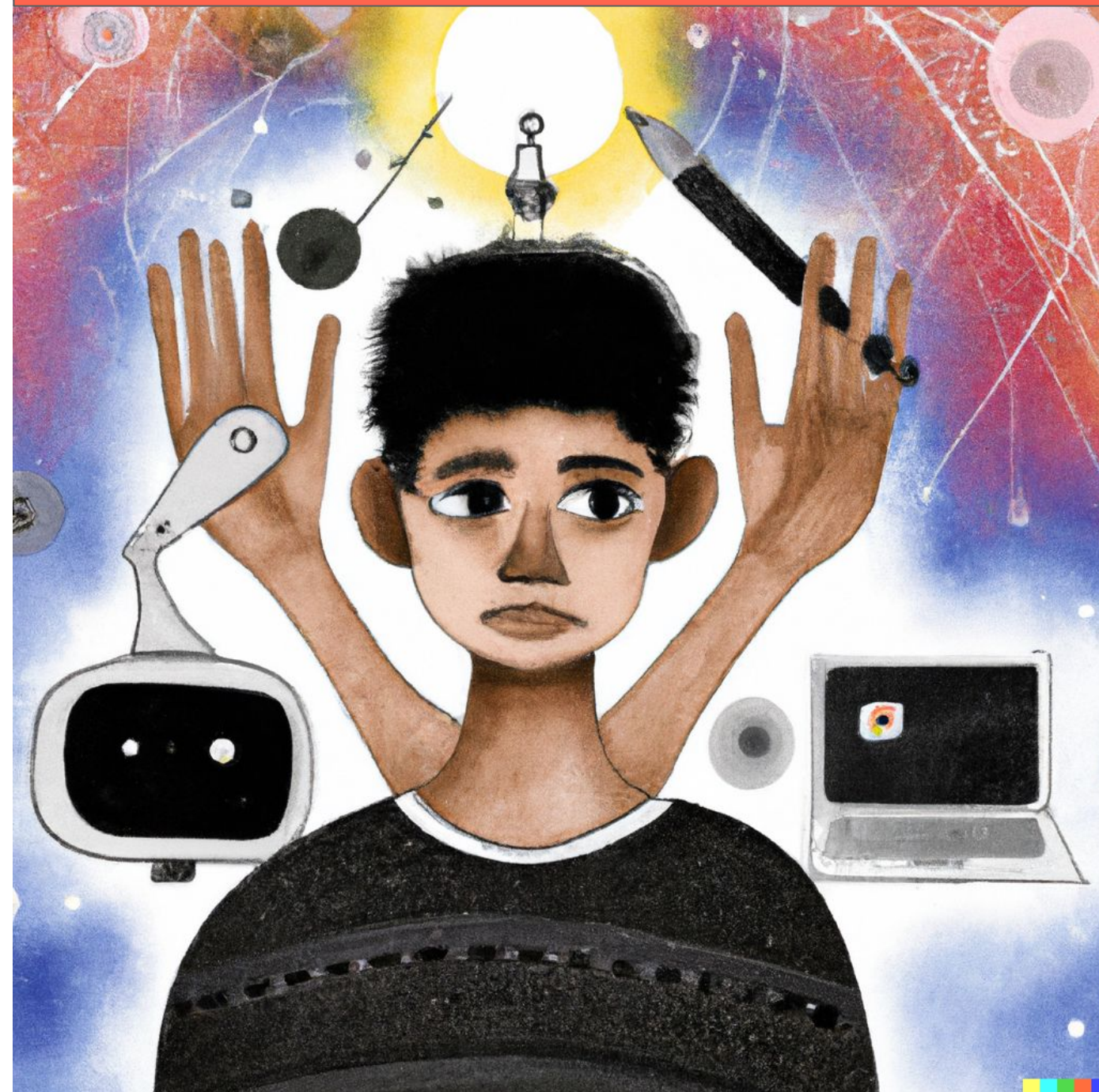
Challenges: Users keep CHANGING THEIR MINDS!



Challenges: Users have COMPLEX PSYCHOLOGICAL NEEDS!



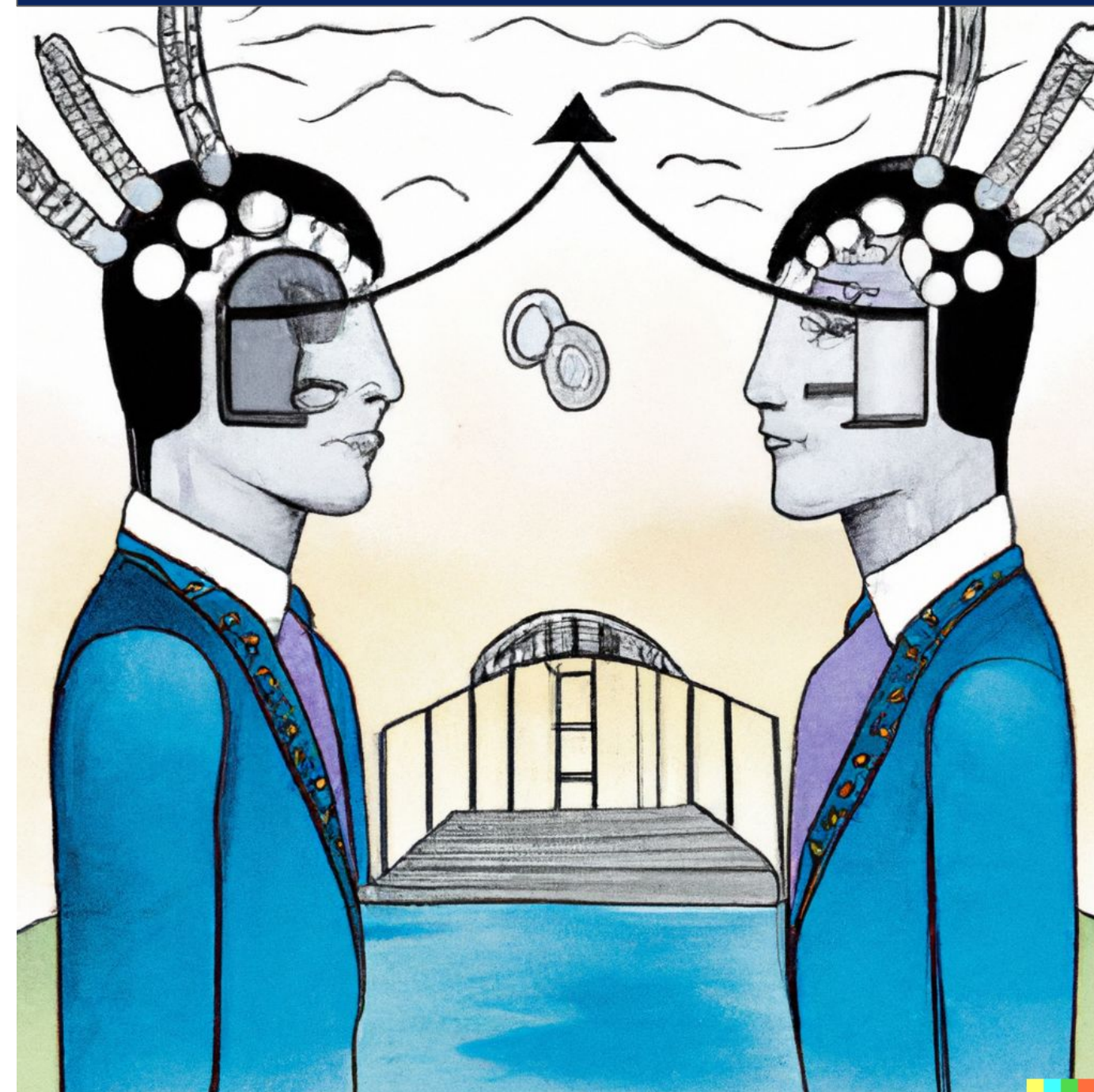
Substance Complexity



More Features

Products should allow new features to be added with minimal effort

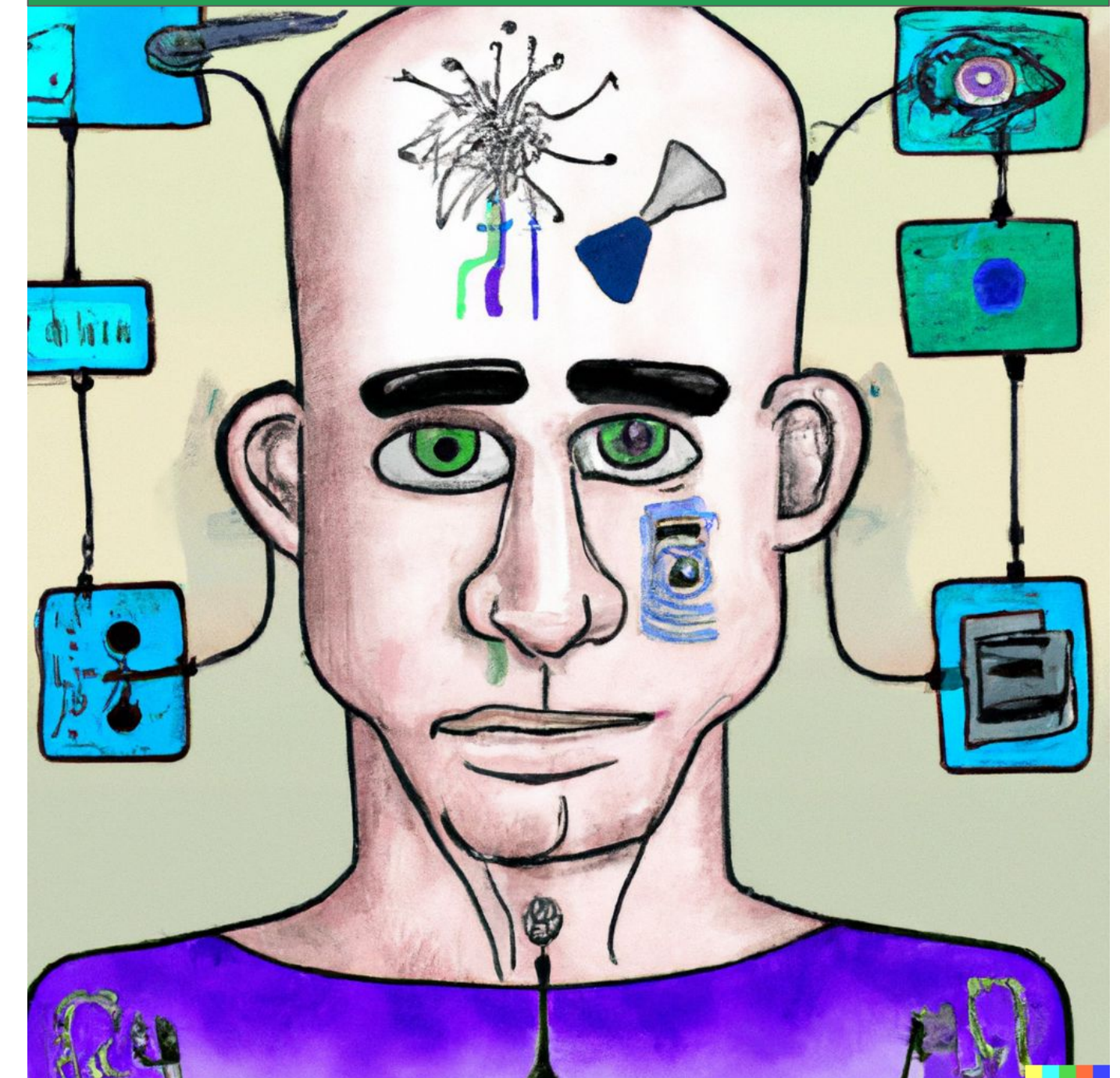
Dynamic Complexity



Dynamic Features

Products should allow changes to features with minimal effort

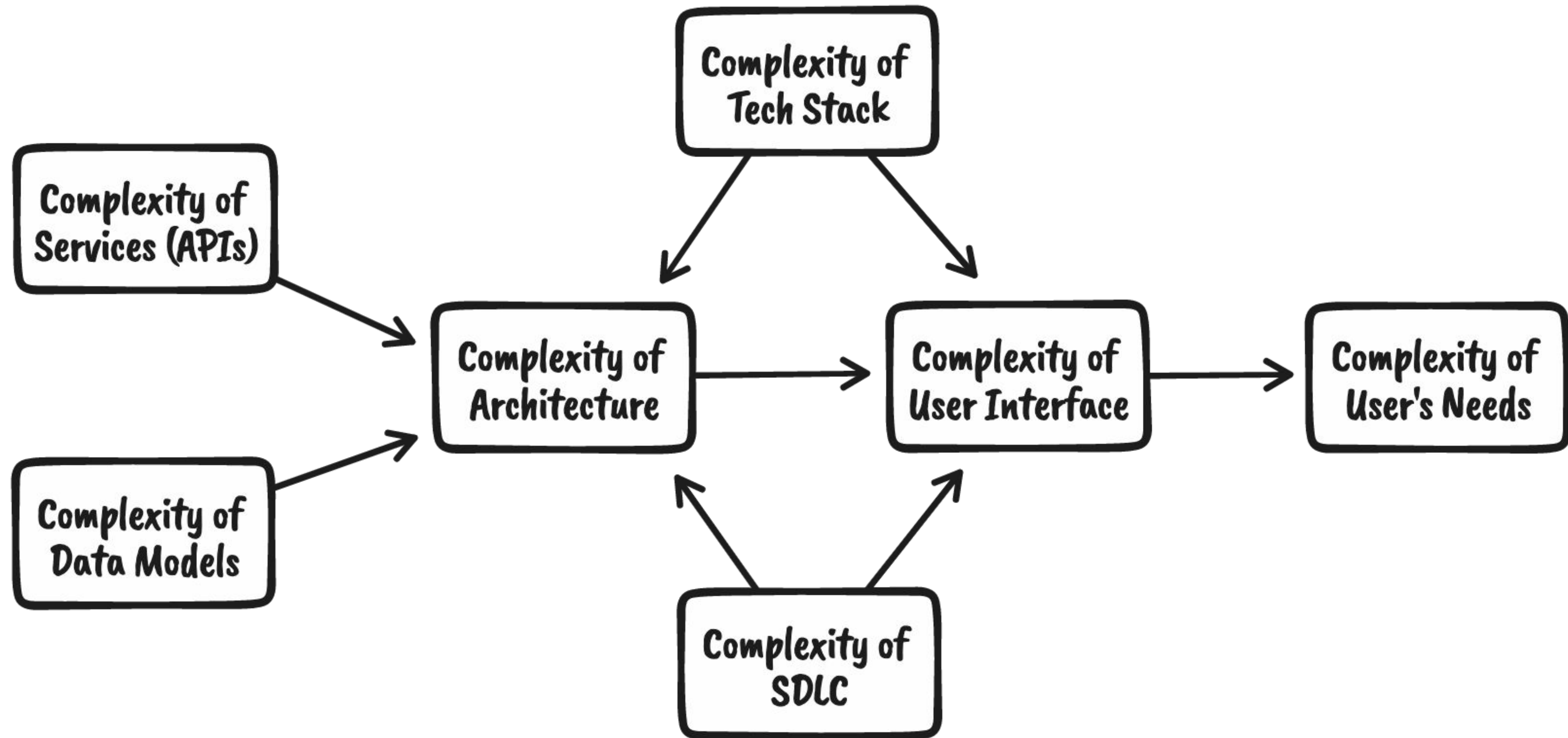
Psychological Complexity



Cognitive & Emotional Burden

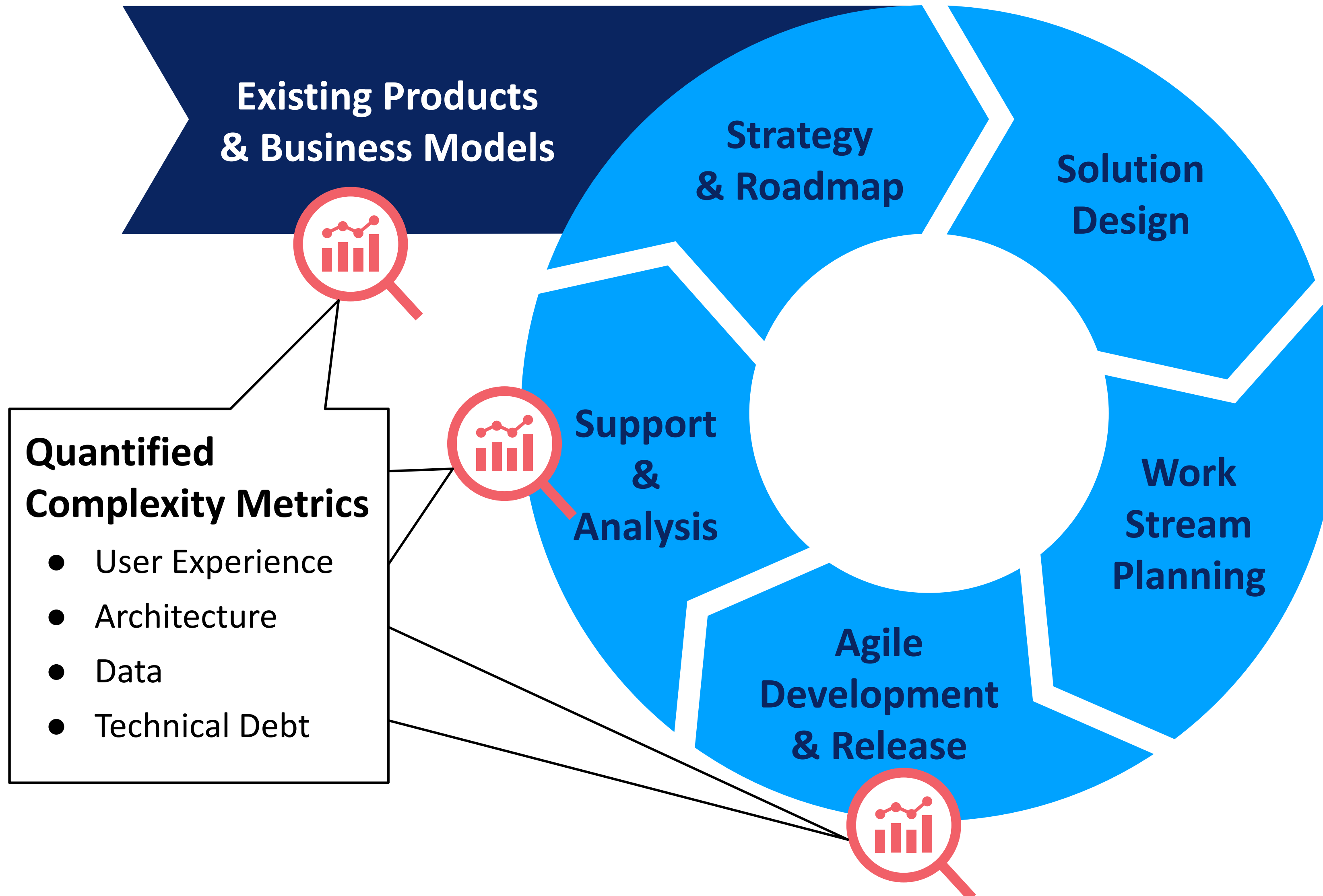
Products should minimize cognitive and emotional burden on users

Complexity is embedded in all layers of the Product



Measure and Manage Complexity of Each Layer to Address Complexity of Users' Needs

Pathology Tests in Innovation Engineering Lifecycle



- Quantified Requirements Analysis
- Quantified Gap Areas for Re-engineering Products
- Tracking Complexity Improvements during Implementation
- Comparison of Complexity Metrics between New Release Candidates with Previous Releases
- **We need to discuss and agree on how to measure and manage Complexity**

Topics and Speakers

Date & Time	Topic	Speaker(s)
4th March, 9:30 am	Pathology of UX: Measuring Psychological Complexity in User Experience Design	Arathi Shama Bhatta
4th March, 10:00 am	Measuring Technical Debt to avoid Technical Bankruptcy	Nischal Doshi
4th March, 10:30 am	Complexity Management through Architecture Patterns	Saurabh Periwal
4th March, 3:15 pm	Best Practices for Measuring Engineering Efficiency and Productivity	Mahalakshmi SR, Venugopal Reddy
4th March, 3:45 pm	Methods to achieve architectural realignment in Product Portfolio Rationalization	Hemesh Thakkar, Bikramjeet Nath
4th March, 4:30 pm	An approach for automation of Quantitative User Testing	Dhanapathi Marepalli
4th March, 5:00 pm	Using Finite State Machines to Model and Build Complex User Interfaces	Vaibhav Satam, Kejal Shah

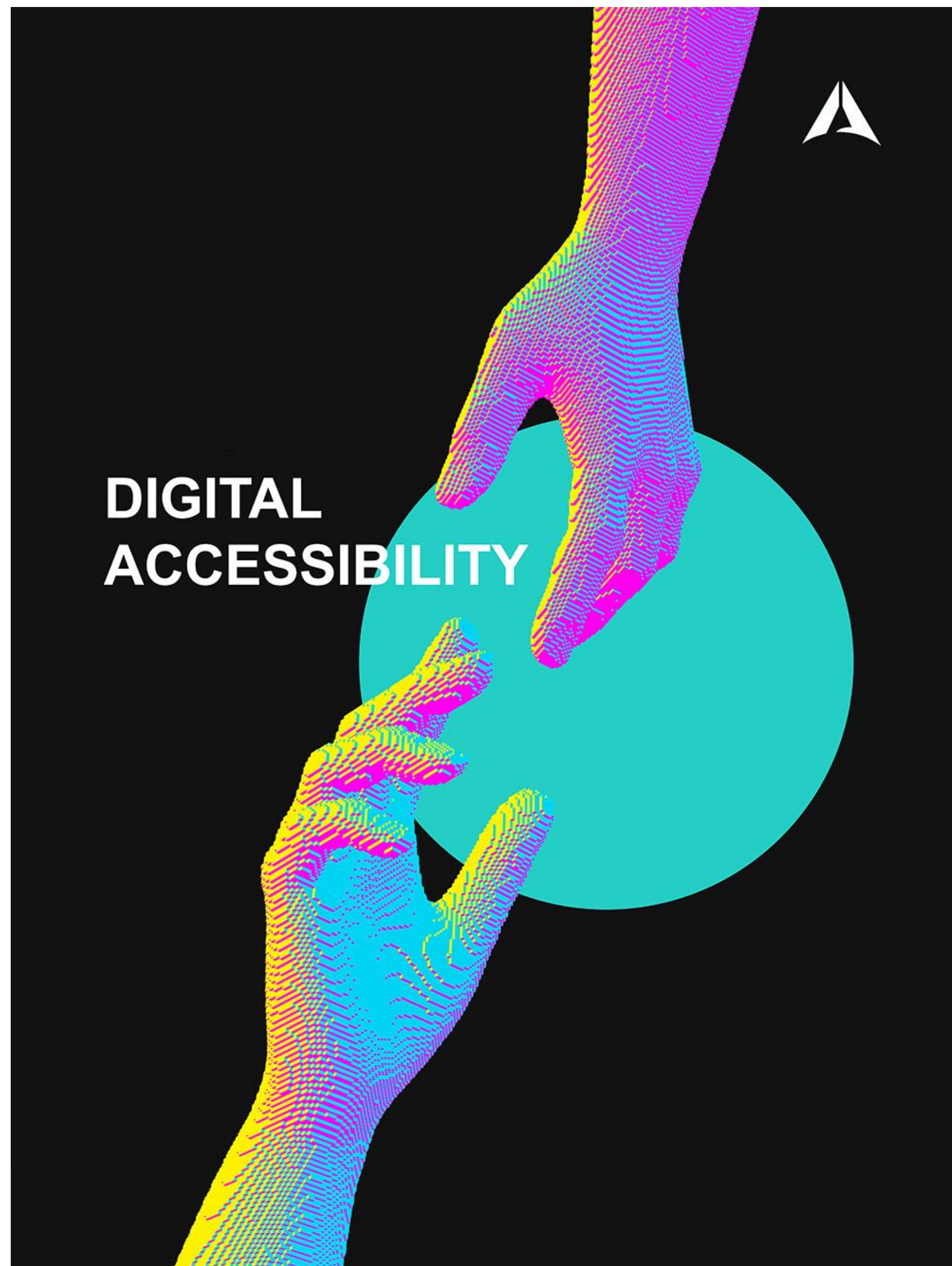
Accion

INNOVATION
SUMMIT 2023

Accionlabs



Demo Booths



Digital Accessibility

Showcase of best practices and tools for Web Accessibility by Accion Lab's Accessibility Experts



Emergence of Backendless Applications

Backendless Apps

Hasura, to build modern Apps with GraphQL using Federated Databases and built-in Authorization & Caching

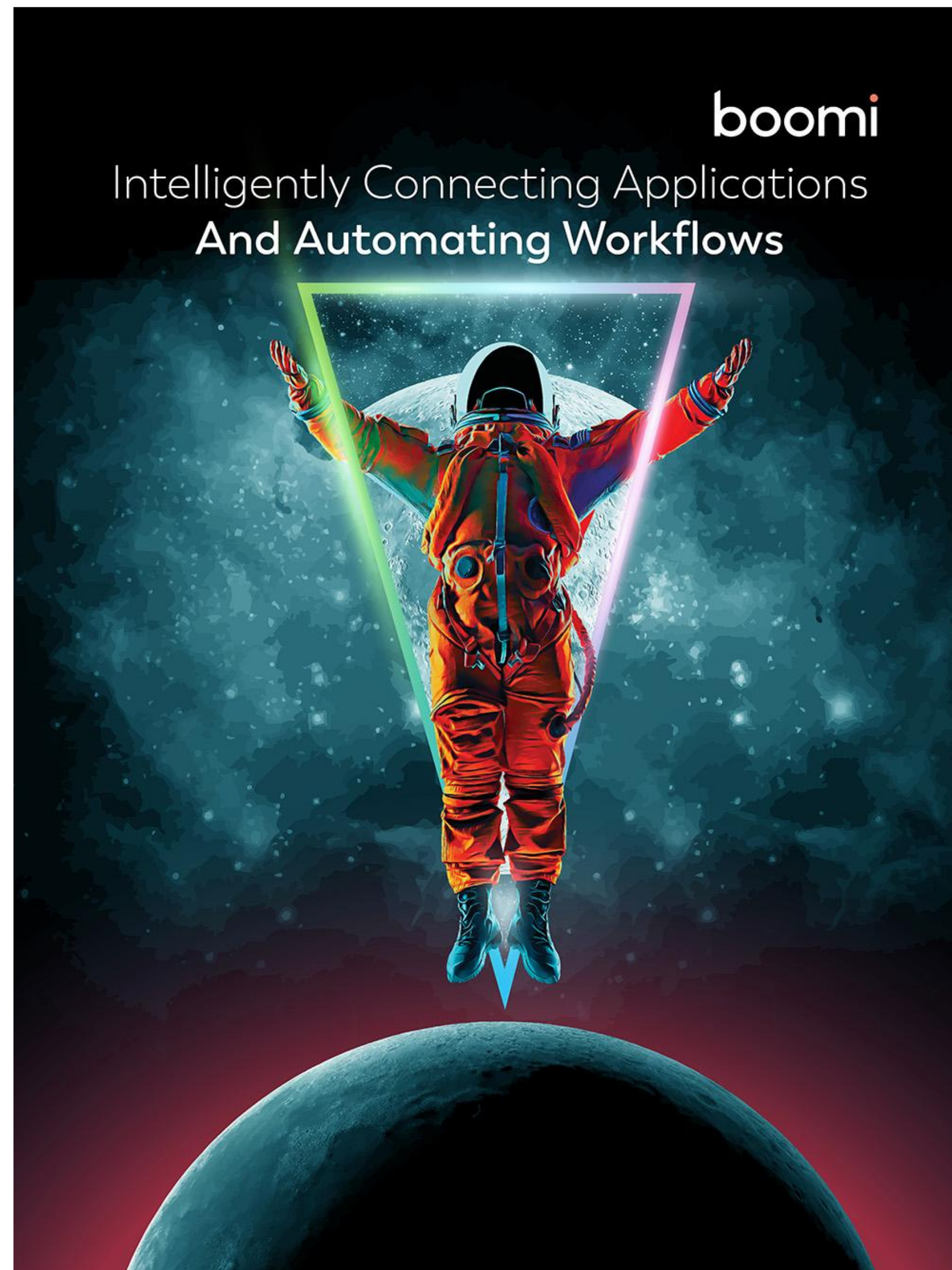


Innovating through
uncertainty with
Digitally Enabled Workflows



ServiceNow

Latest updates and solutions for
digitally enabled workflows by our
ServiceNow Center of Excellence,
ServiceBerry



boomi

Intelligently Connecting Applications
And Automating Workflows

Boomi

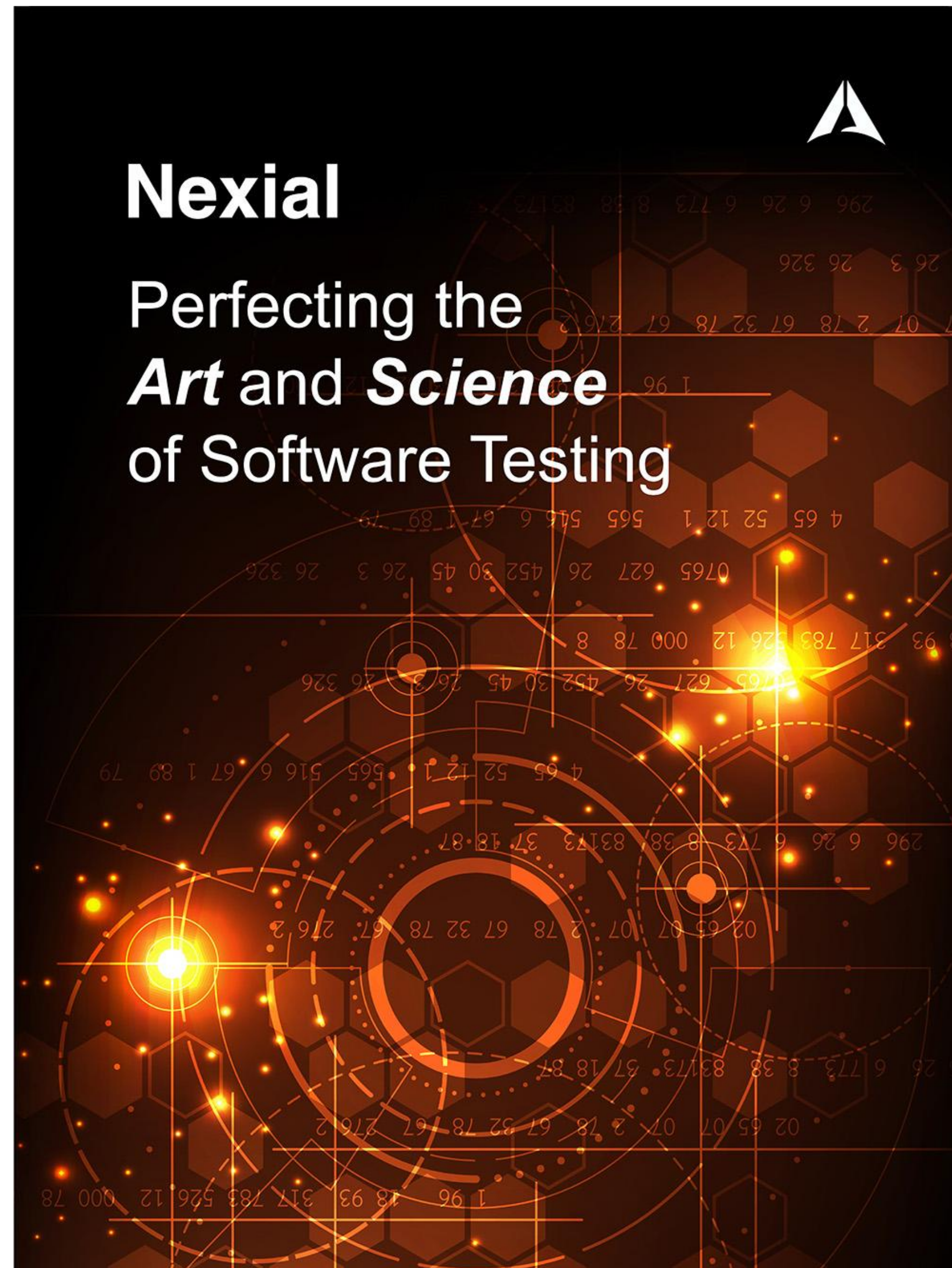
Explore this industry leading integration and automation platform. Boomi is not only Accion's customer but a trusted partner

**VOICE ASSISTANT
FOR CONTACTLESS
TICKETING**



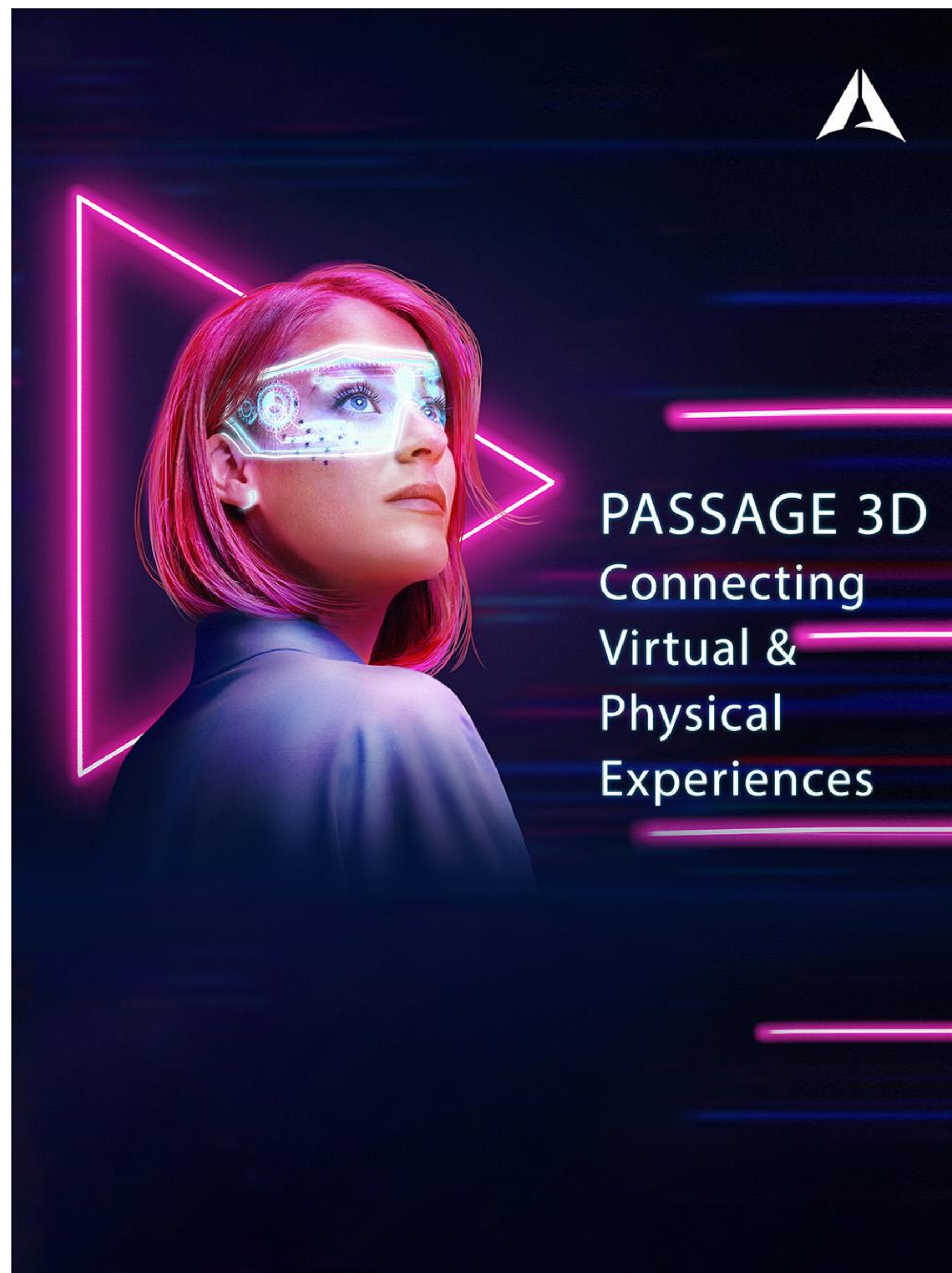
V-Tix

A prototype that demonstrates the use of conversational commands for an easy user interface to create tickets in ServiceNow



Nexial

Low Code Test Automation Platform,
now also used for Pathological
Automated Quantitative User Testing



Passage 3D

Passage 3D is a metaverse platform with 3D video chat, presentations, collaboration, social functionality, and commerce



Excel2Web

Accelerated App Development

Convert any Excel spreadsheet into an interactive Web application

IMMERSIVE EXPERIENCES



EXPLORE THE FUTURE

AR / VR Demo

Demo of the possibilities of an important technological capability that will revolutionize user experience

The book cover for 'Finite State Machines for UI' features a black background with a white circuit board pattern. Several colored circles (red, orange, green, brown) are placed at various points on the circuit. A white arrow icon is in the top right corner.

Finite State Machines for UI

A Modular Approach to
Architectural Design

FSM for UI

Demo of how Finite State Machines
can simplify the design of complex
event driven user interfaces



Panel Discussions

Emerging Technologies: Merely Buzzwords or Real Business Benefits?



Date & Time:	3rd March, 6:15 pm
Topics:	Chaired by our Chief Operating Officer, Tom Collins, this is a panel discussion that will discuss the emergence of new technologies, their potential business applications, impact on digital transformation strategy and roadmap, as well as plans for adoption by various industries
Panel Moderator:	Tom Collins

Tech Organization Strategy - Are we Inventing or Innovating?



Date & Time:	4th March, 12:45 pm
Topics:	Chaired by Sameer Kanwar, CEO of Basil Partners, our founding investors and Accion Board Advisor. This panel will explore how Innovation can become the driver of digital transformation in enterprises, and how to operationalize innovation in your organization
Panel Moderator:	Sameer Kanwar

Software Process / Tools

- How Do I Know Each Dollar I Spend Is Driving Value



Date & Time:	4th March, 5:45 pm
Topics:	Chaired by Anand Raja, Accion Labs President, who is responsible for leading several of the Large Digital Transformations initiatives of Accion Labs. This panel will discuss experiences, learnings and best practices in software development processes and tools, and how to mitigate risks and generate value in an environment that has multiple risk factors
Panel Moderated:	Anand Raja

Accion

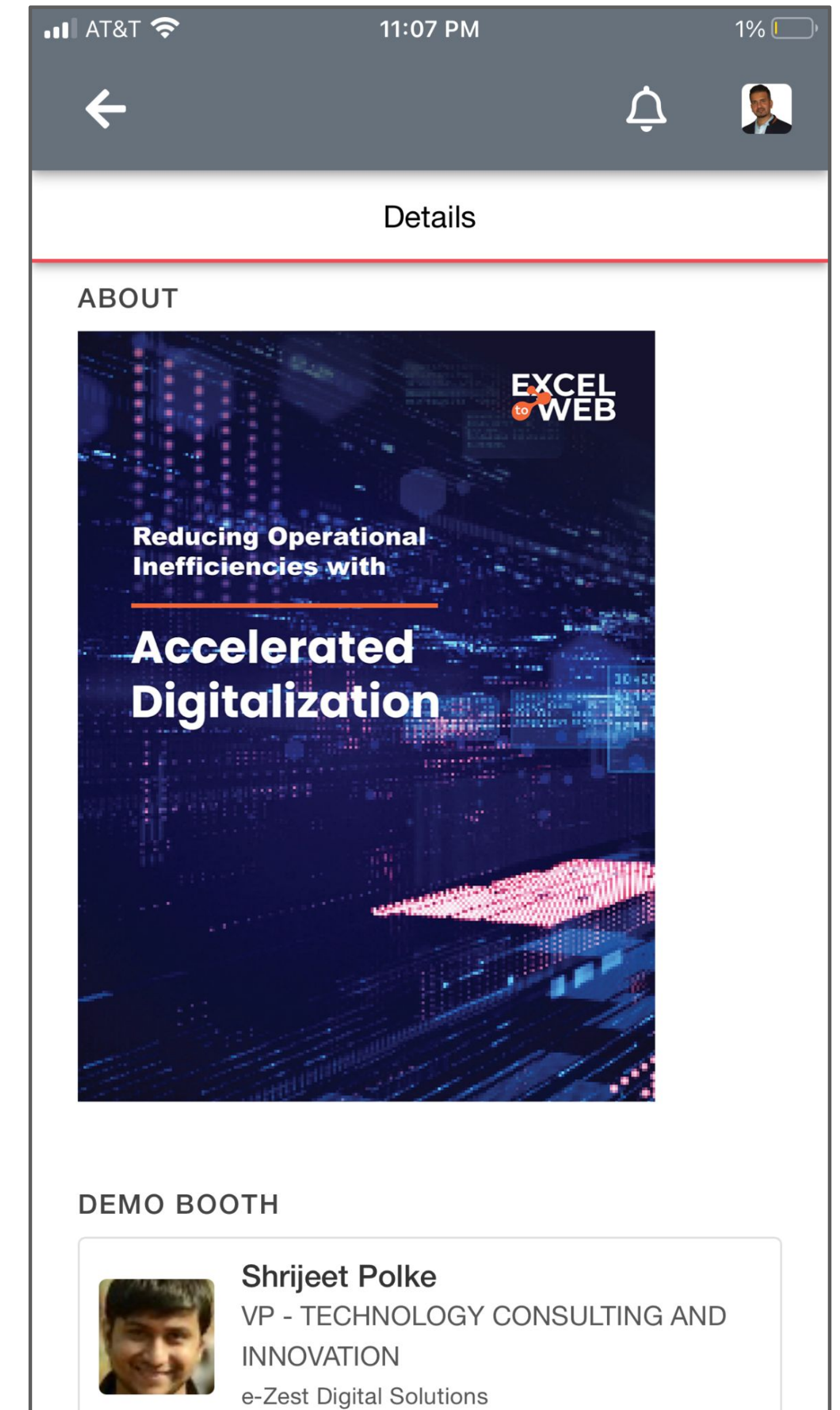
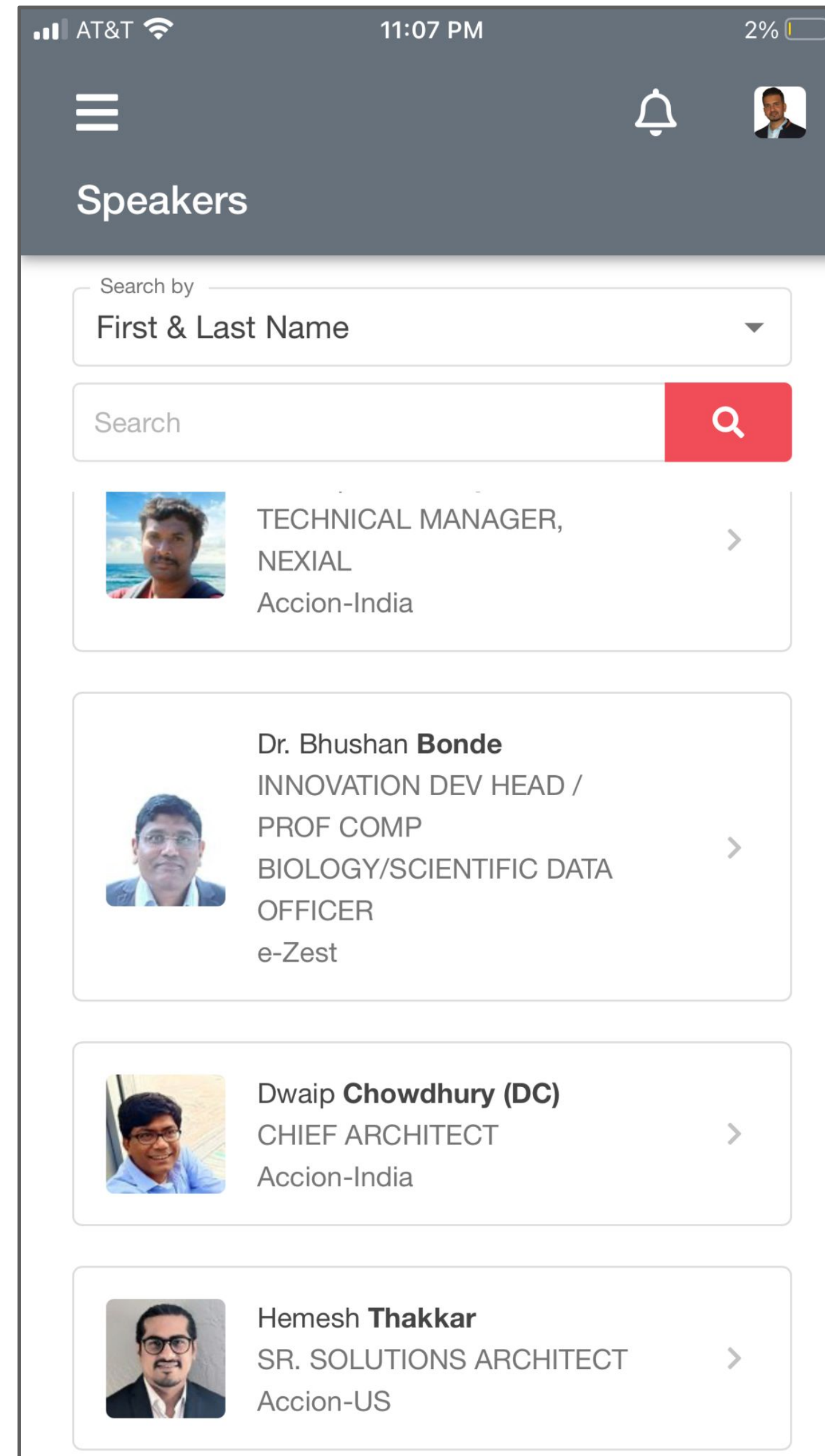
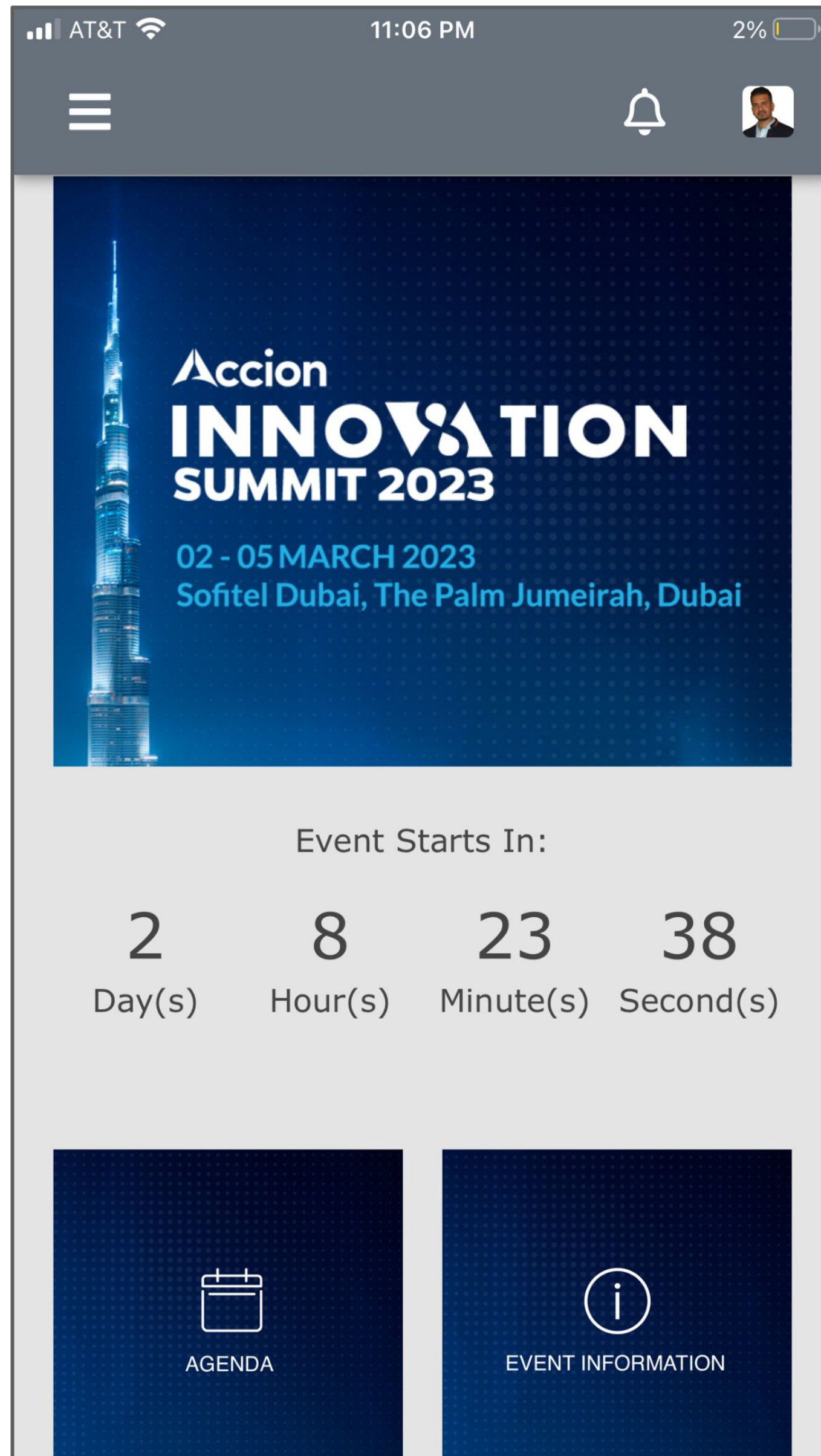
INNOVATION
SUMMIT 2023

Accionlabs

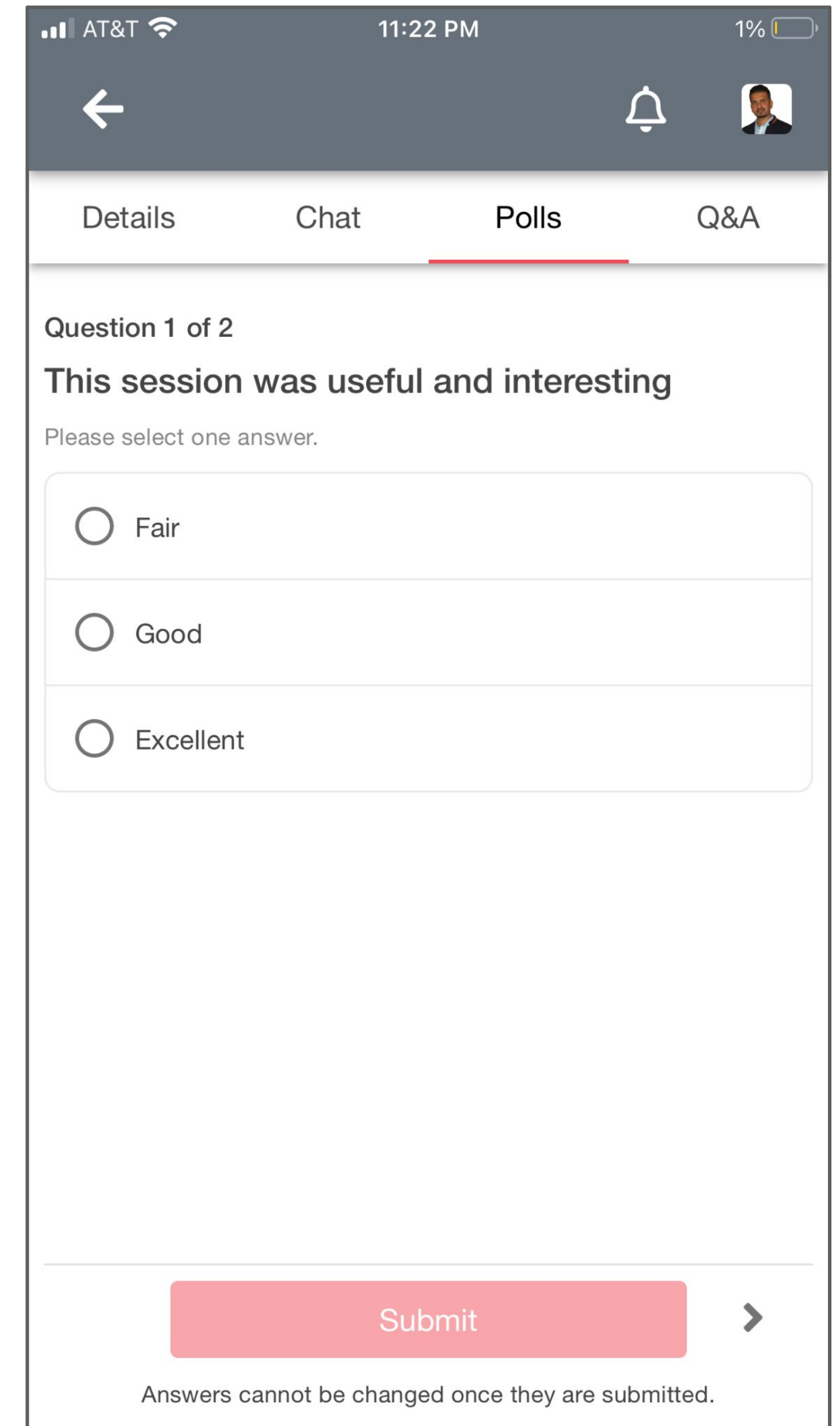
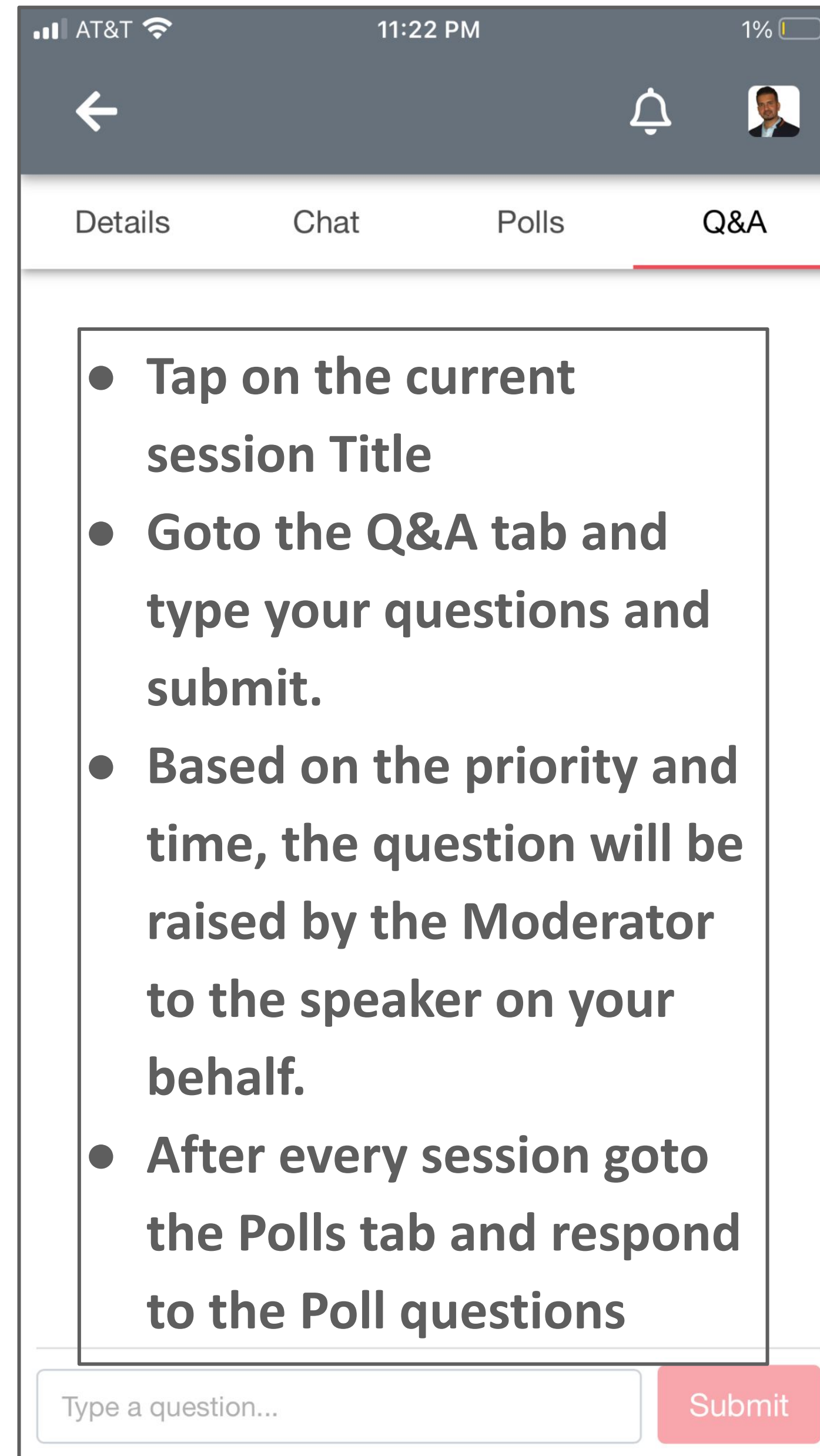
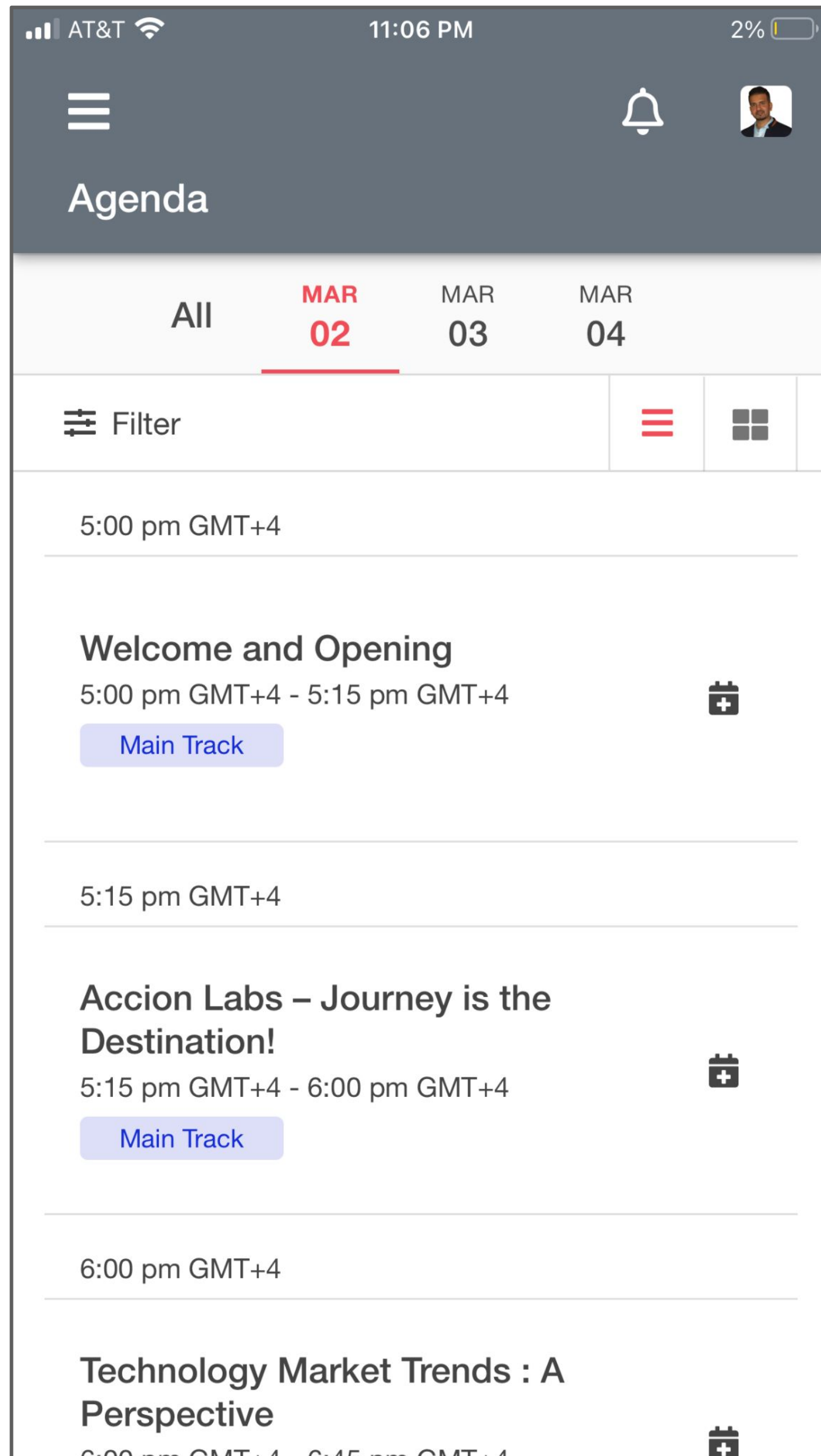


Interaction & Collaboration

Mobile Application for Innovation Summit



Basic Guidelines for Q&A



Summary

- This year's summit is special in that it is the first one to be held at a new venue, and it is also the first year in which a third of the sessions are conducted by guest speakers
- The summit themes continue to be focused around Innovation Engineering Lifecycle, Digital Product Engineering, Data & AI/ML, Cloud Platforms, Automation and Emerging Technologies. A historical perspective of how the topics around these themes have evolved through the years
- Highlights of this year include the much talked about Generative AI and Large Language Models, as well as a new and important addition to the Innovation Engineering Lifecycle - the Pathology of Digital Product Engineering
- Demo Booths and Panel Discussions round off the summit's agenda

Accion
INNOVATION
SUMMIT 2023

ashutosh.bijoor@accionlabs.com

INNOVATION SUMMIT 2023

