IIBA Dallas Chapter Meeting July 18 2019

Rameshwar Balanagu

Enterprise Architecture |SPM for Analytics and Automation TOGAF-9,IT4IT, TBM Advisor at Startup's

Role of Business Analyst in Automation

Introduction

The Automation Analyst is a Key role that plays the foundation from RFP to End to End Automation The Process Analyst identifies the Business process after a thorough evaluation, Identifies Process in-efficiencies, suggest areas of Improvement ,build traceability matrix and prioritizes Automation candidates

Role Specification

- Person be able to clearly communicate and build relationship to Business
- Prior Business Analyst experience and nice to have any Kind of Automation experience
- Able to Help Enterprise Architects to build the RFP, vet the vendors
- Perform Opportunity Assessments to Identify and Prioritize Business Process for Automation(Process Discovery)
- Identify the Process in-efficiencies and suggest ways to eliminate In-efficiencies and suggest for Reengineering(Process Mining)
- Clearly documented process to generate Process Design Documents(PDD) which includes screen shots and step by step process
- Define the UAT uses cases and Success Criteria
- Act as SME and Liason between Business and I.T and resolve fires as needed

DIGITAL AUTOMATION







DIGITAL BUSINESS AUTOMATION

What is RPA?

Robotic Process Automation is the innovative use of software to perform repetitive rules-based knowledge work across an organization as a substitute for, or **aide to, human workers.**

"Virtual Workers/Digital Workers" replicate the specific actions a human would take while working with IT systems, the decisions they make, and the logical processes they follow, while interacting between different systems and applications.

JumpStart A.I. combination of OCR/ICRPA accelerates the A.I Journey by using a R techniques to scrape documents at scale and allow adoption of ML techniques

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Value Proposition to Tangible Benefits



Value	Description
Costs	RPA runs @ -10%onshore costs and -33% offshore costs
Quality	RPA can reduce errors to near zero
Flexibility	Bots can run 24*7 and need no Holidays
Scalability	Bots could be scaled at ease up and down based on work loads and does not need huge Infrastructure.
Risk	Automating of repeatable process reduces risk
Compliance	Bots can reduce compliance errors involved with human errors
Faster	RPA can reduce efforts from months ,weeks, days to minutes
ROI	Returns of over 300% Implementation(weeks to Months)
Support	Read from structured & unstructured data

The Automation Journey



RPA is the Accelerator for A.I and are the next step in Automation SOA, Containers, DEV OPS are the pillars of automation

Robotic Process Automation & The Market Evolution

Robotic Process Automation (RPA) is software that captures and interprets existing applications to automate rules-based processing, data manipulation, and communication across multiple systems, including web-based and local applications



WHERE CAN I USE RPA?



Paper Based

Transactions



Broken IT Systems



Complex Legacy Systems



Exceptions Transaction and Judgmental Decision



Unstructured Information

Resulting in Repetitive Manual Processes



Data Entry



Hoping across multiple screens to read or update relevant customer details



Verification, validation and comparison of data across multiple sources



Decision making -Rule or Judgment



Letter Generation and Email communications

RPA FEASIBILITY ASSESSMENT(PROCESS DISCOVERY/PROCESS MINING)



Process Complexity

Attended Vs Un-Attended

	Front-office Automation	Back-office Automation
Description	 Also called as "Attended" / "Assisted" / "Desktop" automation Involves mashups or reskinning applications for real-time 	 Also called as "Virtual Workforce" Use techniques like workflow, prioritization and scheduling to process large volumes of work securely
Execution of work	 Partial automation, involving human to intervene Runs on each associate's desktop 	 Straight-thru processing with no human intervention Runs on servers and not on associate's desktop
Decision Making	 Non-judgmental, rule-based, assisted by human where needed 	 Non-judgmental, rule-based, minimal to human intervention
Benefits	 Increases efficiency of existing workers Helps to consolidate information and provide consistent customer experience 	 Large-scale unattended processing without human intervention Secure, reliable and scalable, and can't be interrupted by human staff



WHAT SHOULD I KNOW ABOUT BOTS?

RPA robots, and risk:

Crucial questions to stay in control



How will you choose your projects?



Are you in compliance?



How will robots share?



What about cybersecurity and data privacy?



How do you configure robots?



Who's in charge?



What's the backup plan?



How will you manage changes?

$SOC \rightarrow NOC \rightarrow ROC$



POC→PILOT→PRODUCTION(Scaled up Model)



Industrialize

Replicate & Ramp-Up

- Cascade to multiple departments
- Extend automation to include complementary technologies such as AI.
- Showcase process automation successes
- Incentivize staff to identify automation opportunities
- Core team mentor new resources
- Leverage Lean to populate pipeline
- Adhere to RPA industry best practices

Centre of Expertise



Deliver Differentiated Performance

- Digital Workforce embedded at the heart of the organization with seamless bi-directional flow of work between humans and robots
- Business teams generating ongoing demand by asking 'Can this process be Blue Prismed?'
- Fully federated delivery capabilities with centralized control and governance

Centre of Expertise

Courtesy:- Blueprism

STAGES OF Automation maturity





Controlled Automation

- Pilot Phase of Automation with Limited Scope and Systems Integration(Roadmap well defined)
- Key Areas identified and Metrics well defined
- Human assisted bots and well Monitored
- Pro-Active in Nature
- Automate Mundane Tasks /Human/Legacy systems
- Digitize documents
- Expand OCR/ICR Limited capabilities

RPA 2.0



Intelligent Automation

- Extensive Rollout of Automation across Enterprise
- Key Areas identified and Metrics to be continuously optimized and Improved
- Human assisted/Un assisted bots aided with experience using A.I coupled with Business rules to drive outcomes
- Identify Areas of Automation and improve Process through Analytics & Process Discovery/Mining
- Less Intervention of Human Being
- Tighter compliance and Security rules
- Move from Back end to Modern Systems
- Use of NLP to read UnStructured data



Decision Support Systems

- Self-Learning/Self-Healing and optimizing on the fly
- Widespread use of Machine Learning and A.I and possible use of Deep learning
- Automation become Inherently smart and connect to Industry 4.0
- Possible use of Blockchain use cases
- Automation becomes adaptive to the process being automated

ROLE OF BUSINESS ANALYST

Assess | Suitability Analysis | Attribute & Sample





Assessment | Financial Benefit Analysis

CURRENT COST						
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JWNESTMENT						
Robert Mirred numbers	118,000					\$11.0m
Adust ingle-sectables	\$10,000					\$20,000
Reference & Transo	11.400	10.600	16.600	11.600	21.410	214.08
salawas(prest/indirest)						
Research (Th)	\$18,000	\$15,000	118,000	\$14,880	\$28,000	\$71,08
Sinemalution	5400	9900	9400	9996	9600	\$1,000
Automation Seeings	\$1,000	10,000	54.000	\$1,000	\$1.00	\$45,08
Reduction in Sourceine	1000	1100	5.100	3.00	1179	1008
Notationinerm	pare.	100	5.000	500	1479	1.099
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Reduction induces parallel free	54000	\$900	5400	see	\$800	\$1,000
MET SALVINGS						1410,000



Process Selection – Scoring Methodology



Roadmap | Criteria Sample Roadmap of Opportunity catalogue for RPA based upon Technology evolution Process maturity Process re-engineering Process interdependencies Year 3 Region with Maximum RPA potential Priority Index PI > 02 for Year 1 Vear 2 PI in between 42 and 82 for Year 2 PI < 42 for Year 3 (orgonite & 🛨 Silling Ment Vegr 2 Audit Claims Reserve Ment CorporateDiversity Communications Mgmt TexStrategy Maxion + Gulf ROW USA + Japan

