

Sandeep Pralhad Kutwal

Automation Manager , RPA & IPA Solution Architect ,
Leader of Digital Transformation & Automation COE at ADP

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Total Experience : 14.7 years

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RPA , IPA , IDP , RDA , OCR , Talend , BPM , Integration Automation , Analytics , J2EE , .NET , REST , Machine Learning , Microservices , BPI , Digital Workforce , Cloud –AWS , IBM , Automation Leadership & Strategy , Enterprise Architecture , Digital Transformation

Current Roles and Responsibilities

Automation Manager , RPA & IPA Solution Architect , Digital Transformation & Automation COE Lead

- Automation Manager of RPA , IPA & IDP Automation solutions across ADP , 22 Business Units (U.S & European Union)
- Ownership of the Digital Transformation & Automation COE & Enterprise Integration Automation Platforms
- E2E RPA Solution Architect , Leading RPA Governance , DAC & PRB Committee
- Leading the Digital Automation team , handling overall RPA delivery pipeline, schedule & RPA Maturity Model
- Certified Enterprise Architect – TOGAF 9.2 , Blue Prism Certified ROM Architect , Certified Scrum Master

Deliveries and Achievements at ADP

Automatic Data Processing Inc

- Outperformed to deliver multi million savings as tangible and direct savings by delivering the effective RPA & IPA Solutions by setting up Digital Automation COE for ADP
- Simplified E2E RPA automation ecosystem for 23+ business units across globe with best automation customer experience implementing RPA ,BPM , OCR, Talend, RDA , Analytics solutions with speed, accuracy, compliance, governance etc as major benefits along with tangible savings
- Amplified the Automation COE, grown up from 5 member team to 85+ member team, in total 200+ big RPA processes delivered, 300+ Bots, RPA & intelligent automation implementation in 23 Countries, 600+ FTE Reduction,
- **Two Digital Automation Innovations delivered** – Home Grown
 - RoboFusion** ® – RPA Middleware , it is the Open Integration Platform leveraging BOT Factory
 - RoboNXT Platform**®- For enabling OnDemand RPA, High Availability Bot Factory & Intelligent Scheduling. Implemented Parallel Processing ,High Density Robotics to reduce save license cost, robot runtime & reduce infra maintenance (CAPEX +OPEX) at least by overall 50% . Innovated Business Process API To reduce process AHT & overall make span of case execution .
- Delivered Single Touch Point Automation Solution enabling **“Single Glass of Pane View” of RPA operations** for business users across ADP adopting the automation solutions
- Rolled out the MI Reporting , Digital Workforce Insights & Analytics : RPA Utilization Dashboard, Reporting with client 360 Analytics
- Exceeded 500+ reusable library of both technical and process RPA components.
- Headed the overall DR and BCP of RPA services for last 3 years.
- Promoted & E2E implemented the Automation & Digital Transformation Solutions to multi cultural , multi-timezones and functional business units which includes **Netherlands , Poland ,China , LATAM – Brazil, Chile, United States, Canada ,Australia , New Zealand , UK, Spain , Italy , France , Tunisia , Romania , LATAM- Brazil,Chile,Argentina including India /APAC region**
- Continuously accelerating to Simplify , Innovate and Grow by adhering the Digital Transformation goal of ADP .

Current Roles & Responsibilities at ADP

- Working as RPA , IPA & Digital Automation COE Leader taking overall ownership of E2E automation delivery across 23 ADP global business units (both US and Europe regions) consisting of Business Operations at enterprise level , from discovery phase to implementation .
- Managing delivery teams –RPA,IPA ,OCR ,Talend,BPMS,Analytics ,Support – setting up objectives on delivery, plan & organize tasks, motivate, train the team members to deliver RPA implementations for business units , actively involved in each phase – right from process discovery until autopilot.
- Working as Lead RPA & IPA Solution Architect to continuously identify, defines and promote RPA design principles, standards & best practices for RPA delivery. Defining the RPA & IPA Implementation Architecture & getting it ready for new business units which are coming up with RPA implementation plan.
- Leading PRB and DAC team for driving the adoption of best practices around coding, design, quality, performance making sure the RPA solutions are robust, scalable and extensible.
- Handling RPA Support functions to provide continuous support & hyper care to RPA solutions deployed in production.
- Managing overall RPA Infrastructure, Release & Configuration Management across IT & IPA Deliveries, managing DR/BCP activities for RPA portfolio.
- Incubate innovations and delivering seamless automation solutions to interconnect with BPMS, Talend, OCR, Siebel etc. and getting ready for overall DX roadmap.
- Owner of RPA Center of Excellence: Built & trained the automation army to the completely new technology (UiPath, Blue Prism & Other internal compelling RPA Tools) .
- Accountable for review of Solution Designs, documentation adhering to best practices and standard procedures recommended by RPA tools
- Analyzing the technical and functional feasibility of new processes which needs to be automated
- Support Business Architects and Data Scientist, Working with Business Analyst and SME for right RPA process identification and feasibility analysis
- Incubate automation innovation culture across ADP.
- Run Digital projects as E2E managed services at enterprise level as well as deploy RPA as turnkey solutions to accommodate country specific data privacy rules.
- System understanding of the existing applications and working closely with Business and technical stakeholder to manage ongoing RPA projects.
- Interacting with onsite and offshore RPA teams in resolving their problems.
- Help process discovery, technical feasibility signoffs & derive the benefit calculation /business case.

Technology Skillset

- Intelligent Process Automation , Robotic Process Automation (Blue Prism, UiPath, AA) , RDA, Cognitive Automation-ML & AI , API Automation- REST, Automation Middleware, IBM Cloud , Digital Transformation .
- Enterprise Architecture / IT Strategy , EAI Solution Architecture and Consulting
- IT Delivery – STP Automation, J2EE ADMS, EAI, IBM MQ Series
- BPMS - IBM BPM, Business Process Management , Business Process Reengineering
- Automation Portfolio - Expertise in delivering effective Web, UI , Desktop ,Citrix , OCR ,Mainframe or Java access bridge enabled Digital & RPA solutions ,Digital Workforce using Blue Prism , UiPath , Python , Java EE
- Aligned Automation Technology Stack: Tesseract ,OpenCV, Keras , Python 3.6-openpyxl , tkinter , R , Java , REST WS- JAX RS , Jersey ,Jackson 2.0
- Technology Platforms: Java , Microservices , .NET Framework , Ruby n Rails 5.0 , MySQL 5.7 , Microsoft SQL Server 2017 , Oracle 11 G R2 , VMWare , Tomcat 8.27 , WebSphere , SuSe Server ,Private Cloud ,OCR - Image to text by using “tesseract-ocr” version 3.05.01
- Data Analysis: SQL, Decision Tree analysis, iNetSoft BI Reporting, SSIS, SSRS
- Persistence: Oracle 11G, MS SQL Server , MySQL [Hibernate, EJB 2.1]
- RPA Complementary Tools: VMWARE, Splunk APM, JIRA , Siebel ,Confluence , Redmine , SharePoint Portal , IBM BPMS , LimeSurvey , Epiplex
- AI with Open Source – Tensor Flow, Inception Image Classification Model, Apache SystemML, Java Machine Learning Connector (JMLC) for SystemML
- Machine Learning with Open Source - With Apache Kafka (Kafka Connect, Kafka Streams), MQTT IoT, Grafana/ Kibana, Redis, MongoDB, Cassandra, Big Data , Spark .
- OCR – Integration – Image to text, Captiva 17 , AWS Textract
- BOT Factory, Central Bot Store, Business Process API Marketplace
- Enterprise Integration Platform – IBM MQ , ESB , MuleSoft, RoboFusion

Certifications

- BluePrism Certified ROM Architect
- TOGAF 9.2 Certified both Level 1 and Level 2
- Certified ScrumMaster® (CSM®), 2020 - Scrum Alliance
- UiPath Certified Professional -Developer Diploma, Orchestrator Certification
- Leadership Excellence Certification – Ken Blanchard
- Trained on Automation Anywhere, Work fusion

Top business challenges and Solutions delivered

Business Challenges	Solution Delivered and critical success achieved
<p>Manual Operations Processes leading inefficiency in terms of FTE cost, financial overhead, accuracy, compliance, non-standard processes.</p>	<p>Provided E2E RPA & IPA solutions to deliver FTE reduction, cost savings etc to effectively address the challenges . Complete transformation of manual operations processes to Digital workforce.</p>
<p>E2E Ecosystem of Automation was missing . Too much of orchestration & silos created in RPA by auxiliary business applications involved in Business Operations.</p>	<p>Delivered RoboFusion integration platform solution for impactful integration between RPA platform seamlessly with any other disparate systems across ADP . This solution enabled “common communication bridge” to interconnect systems as well as it enables vendor independent channel for direct integration of auxiliary applications (for eg. BPM,Ticketing tools, Customer facing applications) with ROBOTS for business process automation.</p>
<p>Process Standardization & Optimization</p>	<p>Worked in collaboration for RPA pipeline and Business Process Improvement (BPI) Initiative teams to reduce waste steps, ensuring process standardization before taking RPA process into implementation & benefits plan.</p>
<p>Automation Experience, Single Touch Point Automation. Business Process Orchestration</p>	<p>Seamless integration with IBM business process management tool to orchestrate workload management, human handoffs with RPA ROBOTS enabling single touch point system, RPA operations at single pane of glass view.</p>
<p>High RPA Services TCO [Blue Prism infra & License cost]</p>	<p>Innovated and delivered RoboNXT intelligent platform to reduce no. of licenses, RPA parallel processing, multisession processing & intelligent scheduling of robots.</p>
<p>Unstructured data, inconsistency, Information Reusability, Customer payroll data normalization</p>	<p>Integration with IBM BPMS (business process management) to reuse the already harmonized & consistent data across all RPA processes</p>
<p>Ensuring 100% customer delivery KPI in BCP situations</p>	<p>Implemented Dynamic Bot Allocation and scheduling for multiple business units to achieve 100% KPI on customer delivery commitment , with existing robot capacity to accommodate the COVID-19 pandemic impacting business users across global operations.</p>

Paradigm of RPA Project for Managed Data Services / UBS Fund Services

Project Domain	Capital Markets – Reference Data Management & Fund Services Business Solutions Unit
Project Name:	MDS RPA Journey – Multiple Digital Transformation and RPA Projects
Client	Union Bank of Switzerland (UBS)
Role	RPA Solution Architect / E2E Automation Leader – EMEA Region
Functional Skills	Capital Markets, Fund Services, Market / Reference Data, Asset Liability Management
Automation Stack	UiPath, UNO, Nugget Package Explorer, Windows Workflow Foundation, Microsoft Excel, Macros, SVN, Java , Jsch API
Benefits Realized	<ol style="list-style-type: none">1. E2E Automation of Operations Processes2. Operational speed, Accuracy, Operational efficiency, Compliance, Security , Governance.3. 52+ FTE Reduction4. Inputs for Machine Learning & AI5. IT & Support Automation

- **RPA Project Description:** This Digital Transformation & RPA Journey was led from the scratch and delivered E2E automation to multiple Captive operations processes in Fund Services . UBS leadership had taken a strategic automation initiative across organization for all projects, managed services & ensured robotic process automation.
- Implemented DX/RPA in multiple Captive Processes in agile way to automate repetitive, mundane and rule-based tasks in selected MDS operations processes to affirm RPA goals such as operational efficiency, reduction of FTE, demonstrate capability of TechM on RPA delivery to capital market clients.
- Delivered 2 complex operational processes for setting up new and updating of existing instruments with big investment groups as Bonds, MMI and Options where these are very complex processes in terms of rules , volatility of business conditions , huge data processing and complex business logic , data pulling for Bloomberg , Telekurs , SIX financials , Euroclear , IHS Markit , SIMCorp , JPMC PD , Thomson Reuters etc (22 Global Vendors and sub providers of reference data)

Award Title	Award for	Year
Consecutive - Best Team Awards	Best STP product development & automation delivery to UBS AG , Luxembourg, Transitioning of complete Reference / Instrument Data Product , IT platform & operational services to Tech Mahindra Limited	2013-2014
PoB Award	Extraordinary performance in developing & managing key IT platform services, automation of Bloomberg interfaces for Managed Data Services Platform	2015-2016
Automation Commando of Tech Mahindra	Automations across all external clients and in TechM automation projects, Robotic Process Automation, Operational Analytics.	2016
PoB Award	Outstanding performance RPA for Managed Data Services to UBS AG , MUFG	2016
Standing Ovation Award	Exceptional Performance, dedication & outstanding work for Tech Mahindra Ltd in automation and Investment Market data STP automation	2017
ACE Award	Consistent performance over the past years and for being amongst Tech Mahindra top performers	2017
Multiple SPOT Awards	Delivery of automation platforms well throughout the APAC FV delivery in managed services platform for Bloomberg and TR	2017
WHATEVER IT TAKES	RPA Innovation and delivery of highly scalable Enterprise Integration Middleware Platform to interconnect ADP applications with RPA Platform	2018
INSIGHTFUL EXPERTISE	Best RPA and Automation Solution delivery to multiple-country BUs at ADP <ol style="list-style-type: none"> 1. Netherlands – Payroll Business Unit 2. UK – Payroll and Implementation business unit 3. Germany – Taxation , HCM 4. Poland , France – SSO ,Payroll, Reporting 5. China – Tax Filling , Reporting 6. Canada , LATAM , GV Americas 	2019-2020

Education Details

- ➔ Post Graduation - Master's in Computer Science, passed with First Class , Pune University
- ➔ Graduation - Bachelor of Computer Science, passed with Distinction , Pune University

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