Hyper Automation

About Customer:

This company is working to eliminate 200,000 manual hours a year spent on administrative work.

Challenges:

UiPath in use with the following limitations:

- No automatic recovery is built-in in workflows rendering them non-resilient.
- The solution becomes costlier as you scale.
- Tech Leads and Architects must think about the scale of each workflow implementation individually as it is not automatic.
- The reusability of developed workflows needs to be there.
- Developer experience could be better, and the Vendor partnership model is challenging.

Solution:

Intel-CS Team built a new-age platform that:

- Used event-driven architecture.
- Accelerated the development of new workflows and allowed the reuse of process components for multiple workflows, thereby saving costs and quicker rollouts.
- The platform comprises of SDK, CLI, APIs, workflow repository management, and Pre built Workflows Governance.

The Platform Developed:

- Used Kafka for communication.
- Build Platform APIs
- Built connectors for the actual worker using any RPA tool.
- Clear domain boundaries
- Technology: Nodejs, Typescript, Kafka, Conductor, Kubernetes, AWS, Postgres, Selenium, UiPath, Robocorp, Python

Benefits:

- Faster rollout of workflows from 3-4 months to < 1 month
- 200.00 manual hours a year saved
- NPS score improved by 5%
- Developer efficiency increased by 40%

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