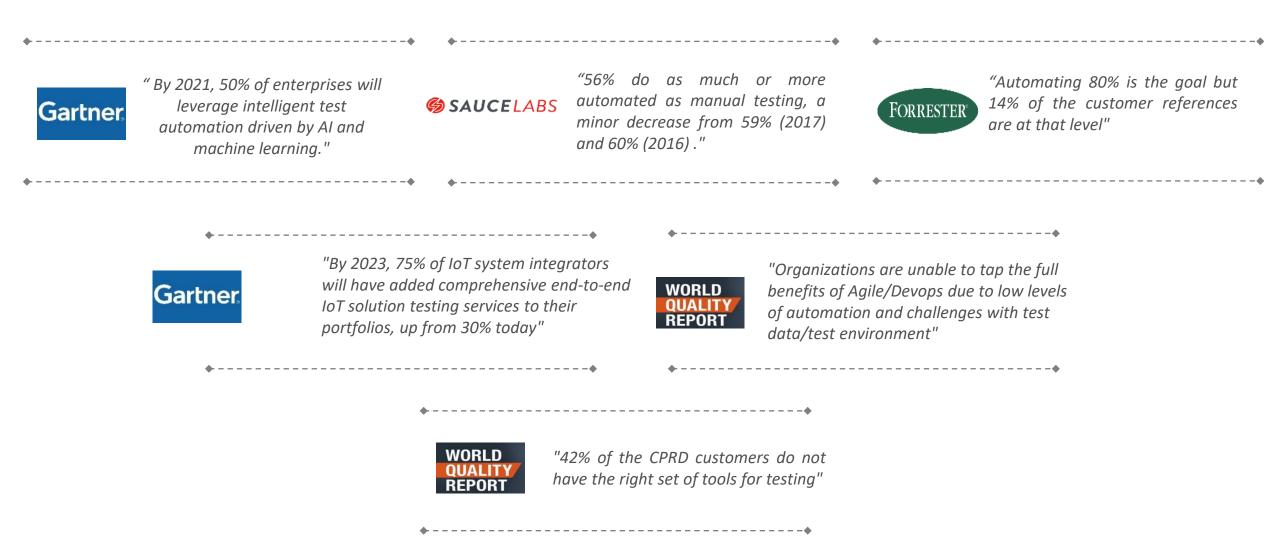


#### **Software Test Automation Trends**



# There are multiple types of hardware to deal with...











# There are varying flavors of POS software...







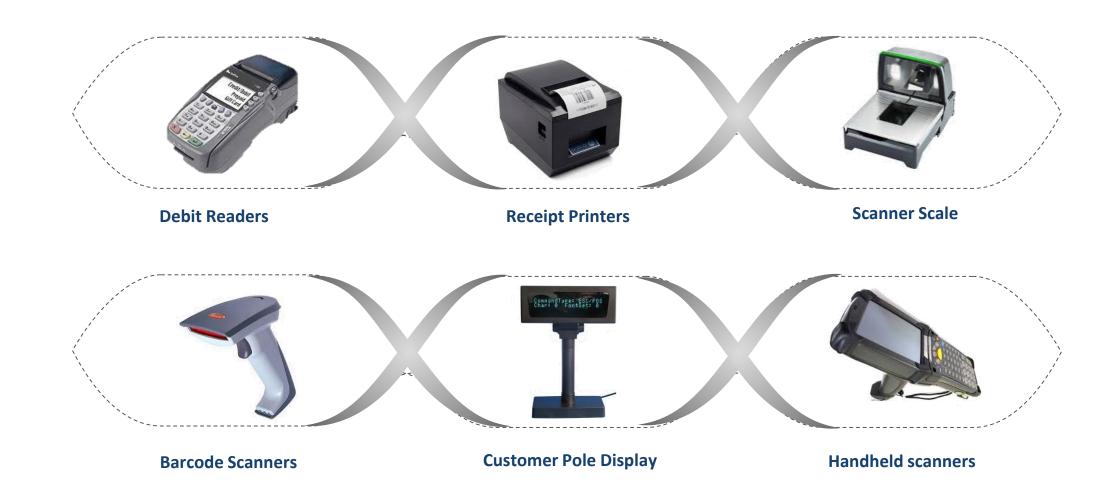




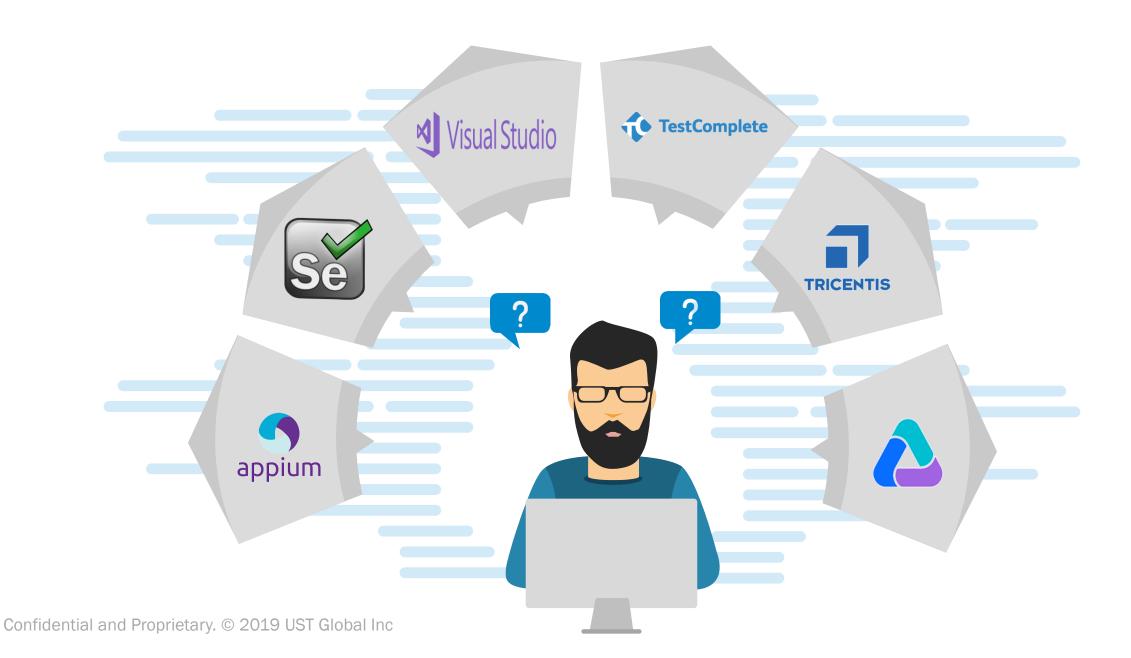




# **End to End Workflows using each hardware involves multiple Hardware Components**



# **Lack of Support for Automation Tools – Popular tools does not help Automate POS**



# **Testing should be aligned with Real World Scenarios**



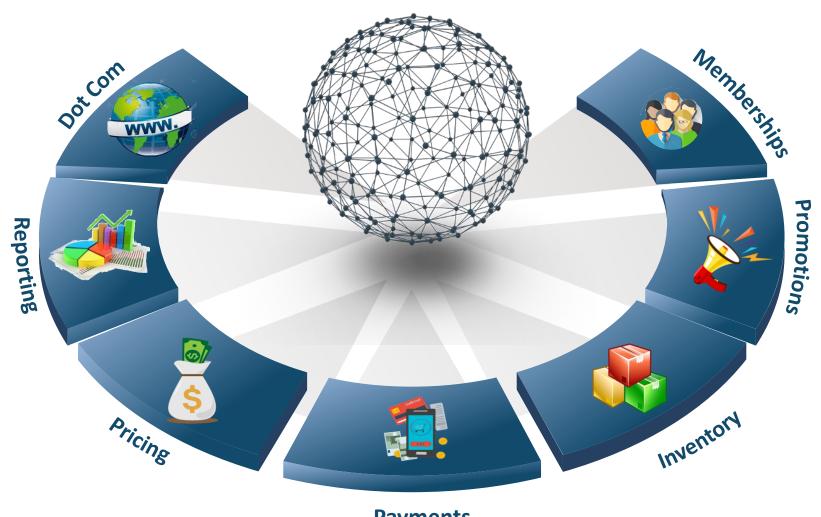




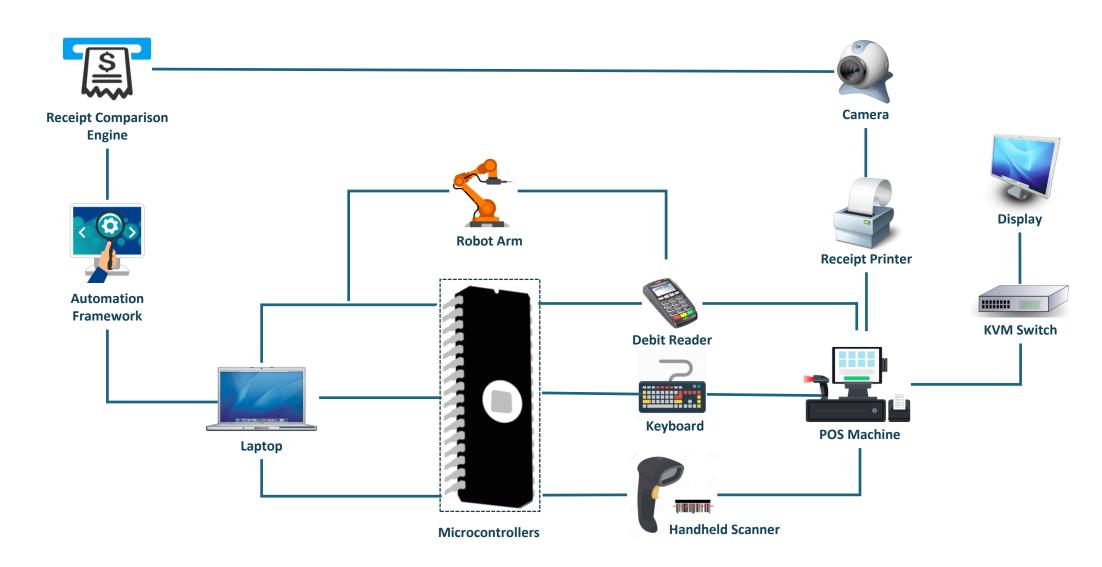




# **POS** has numerous Interfaces with In-House & 3rd Party Systems

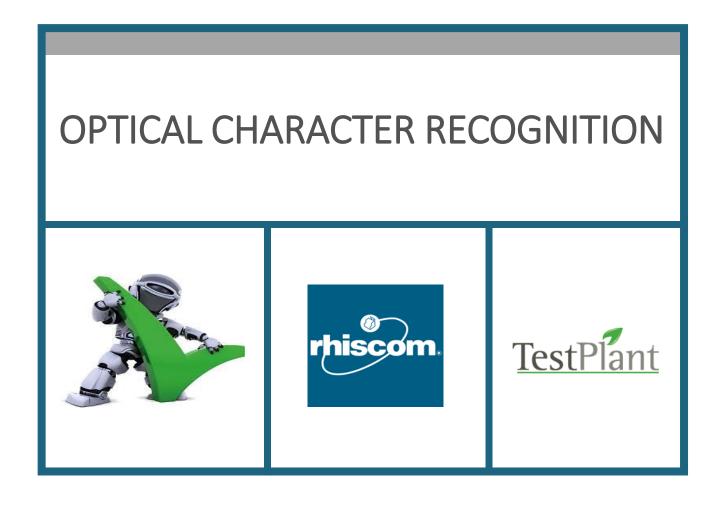


# **Building blocks of POS Test Automation Solution**



#### **OCR based Test Automation Tools are best suited for POS Automation**





## Microcontrollers for triggering events & KVM switches for event transmission





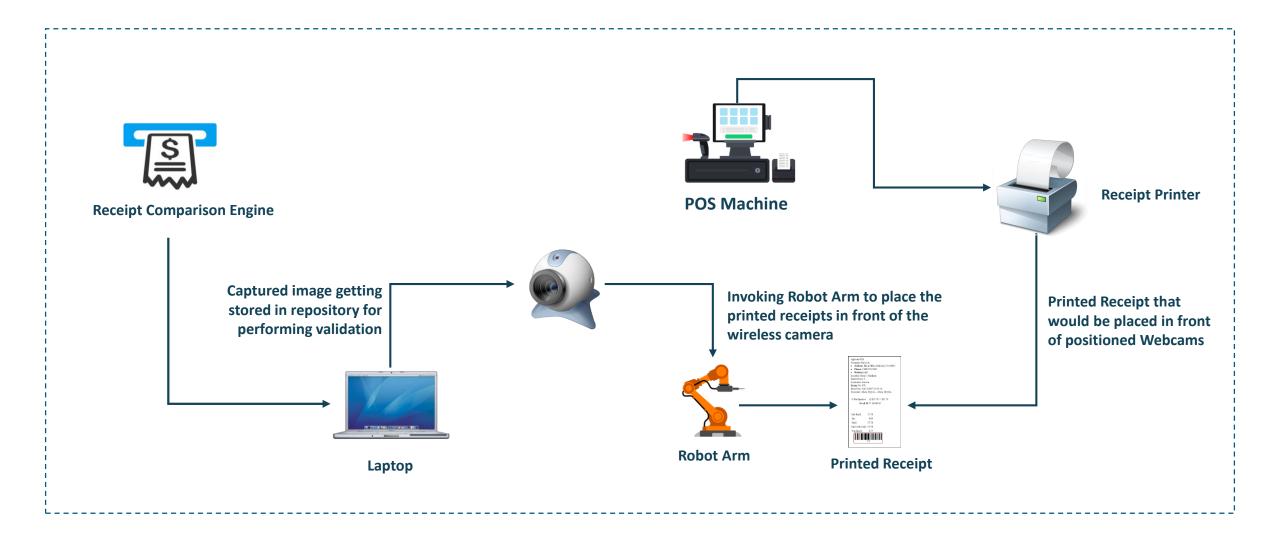
Commands are sent to the Arduino microcontroller to

- Mimic Keyboard Strokes
- Trigger Barcode scanner

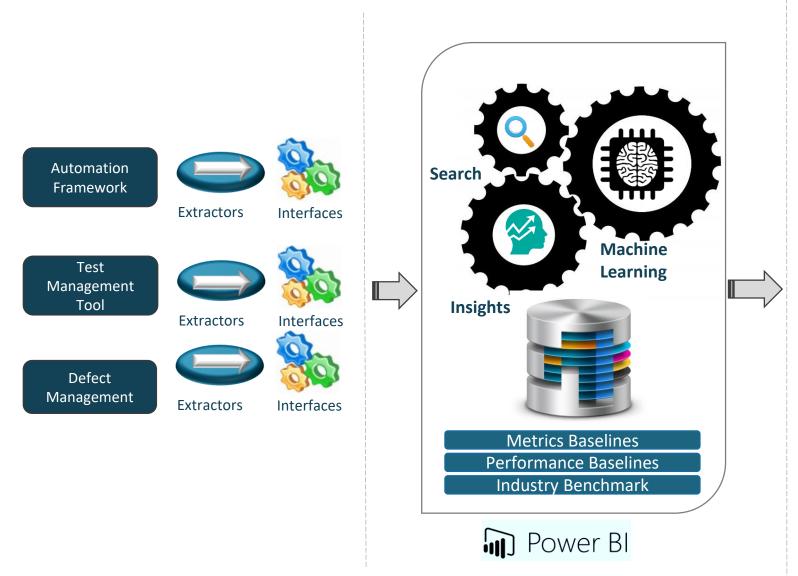
# **Robotic Arms for Capturing Receipts & performing actions on Debit Reader**



# **Automated validation of receipt using computer vision API's**



# Test Reporting Platform with predictive analytics for Real Time Status Reporting





Chatbot



**Dashboard in Web** 



Mobile with Dashboard

## **Automation helps to improve Consumer Experience & Speed to Market**





# THANK YOU