

# GOWTHAM SHANKAR POPURI

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## SUMMARY

RPA and Automation Engineer with 5+ years of expertise in designing, developing, and deploying end-to-end automation solutions across healthcare, finance, and supply chain domains. Proficient in UiPath, Blue Prism, Automation Anywhere, and Power Automate, with strong skills in workflow design, exception handling, queue management, and integration with ERP, EMR, and cloud platforms. Adept at leveraging AI/ML, OCR, and API integration to optimize business processes, enhance operational efficiency, and deliver scalable, compliant, and high-quality automation solutions in Agile environments.

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## CORE SKILLS

<b>RPA Platforms &amp; Tools:</b>	UiPath Studio, UiPath Orchestrator, UiPath Robot, Blue Prism, Automation Anywhere (AA), Power Automate
<b>Programming &amp; Scripting:</b>	VB.NET, C#, Python, JavaScript, SQL, Regular Expressions (Regex)
<b>Workflow &amp; Automation Design:</b>	Attended & Unattended Automation, REFramework, Workflow Designer, Process Mining, Process Optimization, Exception Handling, Queue Management
<b>Data Handling &amp; Integration:</b>	Excel Automation (VBA, Formulas, Pivot Tables), CSV, JSON, XML, API Integration (REST & SOAP), Database Automation (SQL Server, Oracle, MySQL), Data Scraping (Web & Desktop)
<b>Version Control &amp; CI/CD:</b>	Git, GitHub, GitLab, Jenkins, Azure DevOps
<b>Testing &amp; Debugging:</b>	Unit Testing, Debugging Workflows, Error Handling, Logging, UAT Support, Exception Monitoring, Orchestrator Alerts
<b>Cloud &amp; Enterprise Tools:</b>	Azure Cloud (Automation), AWS Lambda (integration), SharePoint Automation, SAP Automation, Salesforce Automation
<b>Analytics &amp; Reporting:</b>	Tableau, Power BI, Excel Dashboards, KPI Monitoring, Process Metrics
<b>Methodologies &amp; Frameworks:</b>	Agile/Scrum, Waterfall, SDLC, DevOps Practices, ITIL Processes
<b>Other Tools &amp; Skills:</b>	AI/ML Integration in RPA (Document Understanding, Intelligent Automation), OCR Tools (ABBYY FlexiCapture, Tesseract), Cognitive Automation, Chatbots Integration, Email & Outlook Automation

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## PROFESSIONAL EXPERIENCE

**Automation / RPA Engineer | P&G (Procter & Gamble), Kansas, USA**

**Aug 2024 – Present**

- Collaborated with supply chain and finance teams to analyze order processing, inventory updates, and ledger reconciliation workflows, identifying high-impact automation opportunities that reduced manual effort by approximately 70%.
- Designed and developed end-to-end UiPath Studio workflows to automate order entry and validation, integrating SAP ERP and WMS data via REST APIs for real-time updates across multiple warehouses.
- Built SQL-based validation scripts within UiPath workflows to automatically reconcile inventory and financial records, generating exception reports in Excel, which reduced reconciliation errors by ~25% per batch.
- Implemented unattended ledger reconciliation bots in UiPath Orchestrator, extracting transactions from SAP, validating against SQL databases, and updating approval logs in Excel, saving roughly 1200 man-hours annually.
- Developed an exception handling framework using UiPath REFramework, with dynamic queue management, automatic retries, and Outlook notifications for failed transactions, achieving a ~99% bot success rate for ~1500 daily transactions.
- Created automated dashboards and reporting pipelines in Excel, with UiPath bots fetching ERP and WMS data and performing SQL transformations, cutting manual reporting time by ~50% and providing managers with actionable insights.
- Integrated ERP and WMS systems using UiPath HTTP Request activities (REST APIs) to synchronize order, inventory, and shipment data in real time, improving on-time delivery accuracy by 15%.
- Conducted end-to-end testing, debugging, and UAT using UiPath Studio and SQL validation scripts, ensuring workflows met P&G's IT governance and audit standards, reducing post-deployment exceptions by ~40%.
- Monitored and optimized bot performance in UiPath Orchestrator, configured schedules, maintained logs in SQL Server, and resolved exceptions proactively, lowering downtime by ~30%.
- Delivered measurable outcomes by automating ~1,500 daily transactions, cutting ~1,200 manual hours annually, improving ERP-WMS data accuracy, and enabling scalable digital supply chain automation for P&G.

## UiPath RPA Developer | Accenture (Client: Uber), India

May 2021 – Nov 2022

- Analyzed and documented global operational workflows across five international business units, identifying high-volume repetitive tasks such as invoice processing, compliance verification, and reporting suitable for automation.
- Designed and developed end-to-end automation workflows in UiPath Studio, defining clear process logic, inputs, outputs, and exception handling to meet client SLAs and standardize operations across regions.
- Automated invoice extraction using UiPath Document Understanding with AI Fabric OCR from PDFs and Excel, reducing processing time from 3 hours to 30 minutes per batch and eliminating 95% of errors.
- Implemented SAP ERP automation using UiPath Studio SAP GUI activities, posting invoices, validating approvals, and performing compliance checks for multiple regional units with 100% accuracy.
- Scheduled unattended bots via UiPath Orchestrator to execute 50+ parallel processes for invoice processing and reporting during off-hours, enabling 24/7 operational continuity without additional workforce.
- Developed exception handling and queue management frameworks in UiPath, automatically logging failed transactions and sending notifications via Outlook, reducing manual intervention by 40%.
- Created reusable workflow components and libraries in UiPath Studio for invoice validation, SAP postings, and Excel reporting, accelerating development of new automations by 25% while maintaining consistency.
- Monitored bot performance using UiPath Orchestrator analytics dashboards, identified process bottlenecks, and optimized workflows, improving overall efficiency by 20%.
- Conducted user acceptance testing and post-deployment maintenance, coordinating with QA teams, updating workflows for system changes, and ensuring 99% uptime for critical automated processes.
- Delivered measurable business impact by streamlining global operational tasks, reducing ~200 manual hours per month, improving accuracy and compliance, minimizing operational variability, and enabling scalable automation across regions.

## Junior RPA Developer | HCLTech (Client: UnitedHealth Group, USA), India 2021

Jul 2019 – Apr

- Analyzed existing EMR workflows in Epic and Cerner, identifying repetitive order entry, validation, and scheduling tasks suitable for automation, and prepared Process Design Documents (PDDs) and Test Design Documents (TDDs) for standardizing automation.
- Developed end-to-end automation workflows in UiPath Studio to process 5,000+ monthly screening orders, extracting patient demographics, insurance information, and test requests from EMR and SQL Server, reducing manual entry by ~40%.
- Automated extraction of lab orders, physician notes, and appointment schedules using UiPath PDF Activities and Excel Application Scope, and validated data against SQL Server tables, achieving 99% accuracy in order processing.
- Implemented real-time data validation through UiPath Database Activities, cross-checking patient history, prior screenings, and insurance eligibility, which reduced errors by 25% and ensured compliance with HIPAA regulations.
- Built robust exception handling using Try-Catch blocks, logging mechanisms, and Orchestrator queue management, enabling unattended bots to retry failed transactions automatically and improving SLA adherence by 30%.
- Scheduled and monitored unattended bots in UiPath Orchestrator, managing transaction queues and generating automated daily dashboards, which reduced manual oversight by ~3 hours per day.
- Conducted User Acceptance Testing (UAT) with clinical staff, refining validation logic and workflow sequences, resulting in a 15% increase in processing speed while maintaining data accuracy and compliance.
- Collaborated in Agile sprints with developers, QA engineers, and process owners to implement workflow enhancements, achieving full automation of three key screening workflows within six months, significantly improving operational efficiency.

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## EDUCATION

**Master of Science in Computer Systems & Information Technology**  
University of Central Missouri, Warrensburg, Missouri, USA

**Bachelor of Technology in Electronics & Communications Engineering**  
RVR & JC College of Engineering, Andhra Pradesh, India

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## CERTIFICATIONS

- Automation Anywhere v11 – Advanced & Master Certified
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