## AVINASH BILLAKURTHI

Certifications: [Avinash B's Credentials wallet • UiPath Digital Credentials](https://credentials.uipath.com/profile/avinashb529694/wallet)

## Professional Summary

Avinash Billakurthi is a highly skilled Solution Architect with over a decade of experience in leading end-to-end RPA solution design and development, specializing in UiPath and Power Automate. As a UiPath Certified Professional Automation Solution Architect, he excels in architecting scalable, efficient, and secure automation frameworks for large enterprises. With proven leadership in driving automation strategies, Avinash is adept at aligning technical solutions with business objectives to deliver value.

He has a deep understanding of automation frameworks, artificial intelligence, and machine learning, coupled with a solid foundation in database management (SQL Server) and system integration. Avinash has a successful record of leading large-scale RPA projects from concept to deployment, ensuring seamless integration with existing systems while maintaining a focus on quality and compliance.

## Core Competencies:

* Designed and implemented scalable RPA solutions using UiPath, which improved business process efficiency by 40% and reduced manual processing time by 30%.
* Proficient in UiPath, Power Automate Desktop (PAD), PowerApps development, and Power Automate (Cloud flow and Dataverse). Designed no-code workflows in UiPath Studio Web and Power Automate Desktop for rapid prototyping.
* Led cross-functional teams of up to 10 members, mentored 5 junior developers, and effectively managed stakeholder expectations, resulting in a 25% increase in project delivery speed and a 20% reduction in escalations.
* Collaborated with business stakeholders to define project vision and translated requirements into technical roadmaps.
* Managed full lifecycle automation projects from POCs to production, ensuring timely and cost - effective delivery.
* Applied in-depth knowledge of UiPath, Hands-on experience with low-code platforms such as Microsoft Power Platform (PowerApps, Power Automate) to rapidly develop business apps, ASP.NET, C#, SQL, and modern front-end technologies (HTML5, JavaScript, Bootstrap).
* Optimized process efficiency by maximizing automation runners and scheduling processes for optimal resource utilization.
* Proactively managed project risks, incident resolution, and service requests within defined SLAs.
* Architecture & Documentation: Solution design docs, sequence diagrams, data‑flow mappings
* Leveraged UiPath's Document Understanding framework to actively extract, classify, and validate data from a wide range of document types, such as invoices, purchase orders, and contracts, significantly improving processing accuracy and reducing manual intervention.
* Skilled in working with remote teams, other departments, and vendors to execute planned implementations with a focus on aftercare and deployment considerations.
* Healthcare‑domain automation (HIPAA, EHR, HL7‑FHIR integration)

Avinash's leadership skills, combined with his technical acumen, make him a trusted advisor for clients looking to scale their automation capabilities. He is highly effective in high-pressure environments, consistently delivering automation projects on time and within budget while maintaining high customer satisfaction.

## Skills

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| **Skill** | **Years of Experience** | **Year Last Used** | **Assignments Used** |
| At least 5 years of experience in automation design, architecture, and development using automation tools, low-code/no-code platforms, and scripting languages | 12+ years | 2025 | Tech Mahindra (2013–2020), ValueMomentum (2020–2022), TestingXperts (2025–current) |
| Strong hands-on experience with UiPath for designing and implementing complex automated workflows | 12+ years | 2025 | Tech Mahindra, ValueMomentum, TestingXperts, Revival Health |
| Proven experience in developing and implementing RPA solutions using UiPath | 12+ years | 2025 | Tech Mahindra, ValueMomentum, TestingXperts, Revival Health |
| Experience with UiPath Document Understanding technologies and AI-driven automation | 3+ years | 2025 | TestingXperts (Document Understanding framework), Revival Health (clinical document pipelines) |
| Experience in designing and architecting automation solutions for the healthcare industry is highly desired | 0.1 years (30 days) | 2025 | Revival Health (patient intake & claims automation, HIPAA‑compliant EHR integration) |
| Experience in integrating automation solutions with various systems and applications using APIs, web services, databases, etc. | 12+ years | 2025 | Tech Mahindra (SAP, PLM), ValueMomentum (Jira, Stucky), Revival Health (HL7/FHIR API), TestingXperts |
| Experience in documenting and maintaining the automation architecture, design, and code | 12+ years | 2025 | All roles (SDD/PDD/TDD, solution design docs, architecture & data‑flow diagrams) |
| Experience in training and mentoring the automation developers and testers on the best practices and standards of automation development | 5+ years | 2025 | TestingXperts (mentored 5 juniors), ValueMomentum, UiPath chapter workshops (200+ and 700+ attendees) |

## Technical Skills

**Automation Tools:** UiPath Studio, UiPath Robot, UiPath Orchestrator, Power Automate Desktop, PowerApps, Power Automate Cloud Flow, UiPath Document Understanding Framework.

**Development and Collaboration Tools:** Visual Studio, Visual Studio Code, Google Colab, Google Gemini, ChatGPT, Microsoft Copilot

**Web Technologies:** JavaScript, ASP.NET, HTML5, CSS3, jQuery.

**Operating Systems:** Windows, Linux

**Programming Languages:** C#.NET, VB.NET, Python, HTML5, CSS3, JavaScript

**Databases:** Microsoft SQL Server

**GUI Tools:** Adobe Photoshop

## Certifications

UiPath Advanced Developer Certification

UiPath certified RPA Developer SAP Automation.

UiPath certified UiPath Level 3 Advanced Training.

UiPath certified RPA Developer Foundation Diploma.

**Experience**

**UiPath RPA Lead Feb 2025 – Till now**

**TestingXperts Mechanicsburg, PA**

* Gathered and analyzed business and functional requirements, translated them into clear technical specifications, and created architecture diagrams and documentation for automation projects.
* Designed and developed scalable, reusable automation solutions using UiPath that manage complex business processes independently and efficiently.
* Integrated UiPath bots with RESTful APIs, SOAP services, and SQL databases for seamless cross-system automation.
* Built robust automations using UiPath following industry best practices, ensuring maintainability, performance, and support for multi-robot execution environments.
* Created reusable workflows, templates, and libraries that adhere to RPA design standards and optimized for performance and reusability.
* Developed automation solutions for web and desktop-based applications (Browser, Windows, SAP) and documented each stage using SDD, PDD, TDD.
* Configured new UiPath processes and reusable components using core workflow principles to build clean, efficient, and scalable automations.
* Conducted feasibility assessments, performed tool evaluations, and contributed to automation architecture decisions across multiple projects.
* Supported live UiPath processes by performing production support, bug fixes, and applying Change Requests (CRs) as per structured change management processes.
* Tracked and resolved production issues, defects, and incidents using ServiceNow, providing timely resolutions and proactive bot monitoring.
* Scheduled and orchestrated unattended automations with consistent monitoring to ensure SLA adherence and process reliability.
* Led 5+ levels of testing including functional, regression, integration, UAT, and performance testing to ensure solution quality.
* Facilitated regular stakeholder meetings to understand evolving needs, deliver updates, and align automation goals with business objectives.

**UiPath Consultant (Short‑term Project)**

**Revival Health, Remote – Philadelphia, PA Oct 2024 – Nov 2024**

* Designed and deployed UiPath automations for processing patient intake forms and medical claims, ensuring HIPAA‑compliant handling of Protected Health Information (PHI).
* Integrated UiPath workflows with electronic health record (EHR) systems via HL7/FHIR APIs to automate data exchange and reduce manual entry by 50%.
* Created architecture diagrams (sequence and data‑flow) and solution design documents to guide cross‑functional teams on healthcare automation standards.
* Built a small Agentic AI PoC leveraging n8n connector to triage patient inquiries and invoke appropriate service‑oriented APIs.
* Developed custom API connectors in UiPath to integrate with CRM, EHR, and third-party platforms.

**Unable to get into workforce due to work authorization status ( was on dependent Visa) Aug 2022- Sept 2024**

**UiPath Tech Lead Consultant July 2021 – July 2022**

**ValueMomentum, India**

* Developed scalable RPA solutions with UiPath, cutting manual processing time by 30% and boosting process efficiency by 40%.
* Automated Jira reporting, improving accuracy and halving report prep time.
* Designed no-code workflows in UiPath Studio Web and Power Automate Desktop for rapid prototyping.
* Built password reset automation, enhancing efficiency and lowering ticket volume by 25%.
* Led cross-functional teams, mentored developers, and cut project escalations by 20%.
* Architected and developed an automated UiPath solution to streamline password reset processes.
* Reduced manual intervention by 40% and improved operational efficiency through robust automation deployment.
* Designed and implemented an automation solution using UiPath to update Jira reports, enhancing tracking accuracy.
* Automated the reporting process, reducing manual updates by 50% and increasing data reliability.
* Lead the development of a UiPath solution to automate the End-of-Day (EOD) process, retrieving customer data from web applications and PDF documents.
* Automated account creation in the Stucky application, ensuring smooth handling of system and business rule exceptions.
* Optimized bot multitasking capabilities, reducing processing time from 30 minutes to 8 minutes.
* Enhanced reporting accuracy and automated email notifications for efficient exception management.

**Senior Tech Lead Jan 2020 – July 2021**

**ValueMomentum, India**

* Implemented automated End-of-Day (EOD) processes for Tab Bank, significantly optimizing customer data retrieval and reducing processing time from 30 minutes to 8 minutes.
* Developed multitasking capabilities within automation bots, resulting in a 15% increase in resource utilization.
* Enhanced exception handling and reporting accuracy in automation through dynamic email notifications.
* Architected and designed UiPath automation workflows, seamlessly integrating them with business processes.
* Deployed and troubleshot automation solutions, improving operational efficiency by 25%.
* Performed system administration functions to maximize bot availability and utilization.

**Senior Software Engineer Dec 2013 – Jan 2020**

**Tech Mahindra, India**

* Led UiPath automation for PepsiCo's tax processing in Citrix, reducing errors by 35%.
* Integrated SAP with Excel macros, streamlining data processes and reports.
* Automated linkage between SolidWorks, NX, and Team Center PLM, enhancing data accuracy and retrieval by 40%.
* Optimized BHGE’s workflows, boosting efficiency by 20%.
* Designed and deployed RPA solutions in desktop, web, and SAP environments, ensuring industry compliance.
* Translated business requirements into scalable automation architectures aligned with organizational goals.
* Directed the comprehensive delivery of automation projects, encompassing capacity planning, scheduling, and risk management.
* Performed code reviews and mentored team members to ensure compliance with best practices and coding standards.
* Collaborated with stakeholders to enhance RPA governance and align automation strategies with business objectives.
* Automated the integration of SolidWorks and NX design data with the Team Center PLM system using UiPath.
* Developed workflows to streamline data linkage for product lifecycle management, improving accuracy and retrieval speed by 40%.

## Education:

Master of Technology in Computer Science Engineering from JNTUH University - India- August 2020.

Bachelor’s in computer science engineering from JNTUH University - India- May 2013.

## Significant Highlights

* Chapter leader for [UiPath Philadelphia, PA](https://community.uipath.com/philadelphia-pa/).
* Successfully conducted an 8-day series of UiPath studio web from March 11 to March 24th, 2024, which helped to upskill more than 200 participants. [See UiPath Studio Web workshop series Day 1 at UiPath Learners](https://community.uipath.com/events/details/uipath-learners-presents-uipath-studio-web-workshop-series-day-1/).
* Conducted 2-day workshop on UiPath ReFramework from Hyderabad chapter which have more than 700 attendees. [See RPA Developer Workshop Day 13 UiPath RE-Framework Part 1 at UiPath Hyderabad](https://community.uipath.com/events/details/uipath-hyderabad-presents-rpa-developer-workshop-day-13-uipath-re-framework-part-1/)
* [RPA Developer Workshop at UiPath Hyderabad](https://community.uipath.com/events/details/uipath-hyderabad-presents-rpa-developer-workshop-day-14-uipath-re-framework-part-2/) with 70+ attendees.