

Robotic Process Automation Developer



Purpose of the training

- Software developers who want to expand their programming knowledge with RPA technology
- IT specialists who want to learn the principles of RPA development implementation in order to independently create software robots
- Specialists of business departments intending to automate their processes in RPA technology



Benefits of completing the training

- Understanding Robotic Process Automation technology in the area of development, implementation and maintenance of enterprise robotization
- Retail knowledge of UiPath features
- Programming robots according to established business requirements (simulation of real business processes and their automation)
- Learn how to handle exceptions and unforeseen situations
- Stabilization of software robots
- Gain knowledge in the organization of the enterprise robotization project



Expected Listener Preparation

Fundamentals of RPA, RPA Foundation Training finished



Training Language

- Language: English

- Materials: English



Duration

3 days / 21 hours

Training agenda

1. Introduction to UiPath
2. UiPath Documentation
3. Variables, data types
 - Introduction
 - Theoretical basis
 - Practical examples
4. Introductions to flow recording notation
5. Introduction to flow control
 - Conditional statements
 - Loops
 - Flow organization types
 - Advanced control flow
6. Data manipulation
 - Scalar variables, collections, tables
 - Text suport
 - Data collection and submission
7. Recording
 - Basic and desktop recording
 - Record online
8. Advanced interaction with the user interface
 - Interaction methods (both input and output)
 - Screen parsing
 - Parsing data
9. Selectors
 - Selectors Introduction
 - Define selectors
 - Dynamic selectors

10. Automate image and text
 - Image-based automation: Basic Citrix and RDP recording
 - Automate with images
 - Keyboard automation
 - Data extraction
 - OCR engines
11. Advanced Citrix-based automation
12. Excel and data tables
 - Basic interactions
 - Data processing
13. Pdf document processing
 - Extract data from a PDF
 - Extract a single piece of data
14. Automate email
 - Interact with emails
 - Send an e-mail message
15. Debugging and exception handling
 - UiPath Debugging Tools
 - Troubleshoot data entry
 - Exception capture
 - Business exceptions
16. Robot orchestration
 - How to deploy and run a process
 - How to publish workflow
 - How to create an environment
 - Job scheduling
 - How the task queue works, handling pending tasks, canceling and terminating tasks
 - How to monitor all robots recorded in Orchestrator
 - How error messages are forwarded
 - What are UiPath Orchestrator resources
 - How to store credentials in Orchestrator
 - What are Orchestrator queues
 - How to use queues to work with lists of items supported by multiple robots
 - How to add items to queues and how to receive transactional items
17. Project organization
 - Introduction to project organization
 - Basic good practices
 - Example of a project organization
 - Project organisation – Summary