

# Robotic Process Automation Developer



## Training recipients

- 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

- 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



## Training program

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 support
  - 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



## Expected preparation of the participant

Fundamentals of RPA, RPA Foundation Training finished



## Duration

3 days / 21 hours

## Language

- Language: English
- Materials: English