**A blue logo with blue text

Description automatically generated**

**OUR UNDERSTANDING**

**ON**

**RPA TECHNICAL ARCHITECTURE PROGRAM**

**Submitted By: Netlink Software Group America Inc.**

**Understanding of Client Requirements for the RPA Technical Architecture Program**

**Project Background:**

The RPA Technical Architecture Program is focused on establishing a robust automation platform tailored to the client's business needs. This includes defining the technical architecture, selecting the appropriate technology stack, and ensuring effective development and operationalization of automation solutions. The program will require technical expertise at every stage, adhering to best practices to ensure successful automation implementation. Additionally, the program will involve ongoing monitoring, management, and enhancement of automation processes once they are in production.

**Scope of Work:**

1. **Assess and Optimize Technical Architecture:**
   * **Objective:** Evaluate the current technical architecture of business processes targeted for automation.
   * **Goal:** Ensure that the architecture aligns with organizational goals and is optimized for performance and scalability.
   * **Actions:** Identify inefficiencies, potential improvements, and ensure that the architecture supports the automation objectives.
2. **Collaboration for Requirements Finalization:**
   * **Objective:** Work closely with Business Analysts and Automation Developers.
   * **Goal:** Finalize both business automation requirements and technical specifications.
   * **Actions:** Ensure that requirements are well-defined and integration with existing systems is seamless.
3. **Design and Documentation of Automation Solutions:**
   * **Objective:** Create detailed designs for automation solutions using UiPath and related technologies.
   * **Goal:** Provide clear and comprehensive Solution Design Documents (SDDs) to guide development and implementation.
   * **Actions:** Document the design thoroughly, including architecture, workflows, and integration points.
4. **Development, Testing, Deployment, and Monitoring:**
   * **Objective:** Oversee all stages of automation projects.
   * **Goal:** Ensure that development, testing, deployment, and monitoring are carried out according to best practices.
   * **Actions:** Manage these stages to ensure successful outcomes and adherence to established standards.
5. **Management of RPA Infrastructure:**
   * **Objective:** Handle the RPA infrastructure, including UiPath Orchestrator, licenses, servers, and databases.
   * **Goal:** Ensure optimal configuration and utilization of all components.
   * **Actions:** Maintain and configure the infrastructure to support the automation solutions effectively.
6. **Code Reviews, Root Cause Analysis (RCA), and Knowledge Transfer:**
   * **Objective:** Conduct critical code reviews and provide RCA for exceptions.
   * **Goal:** Ensure high-quality code, resolve issues, and facilitate knowledge transfer within the project team.
   * **Actions:** Review code for quality, analyze root causes of issues, and ensure that knowledge and best practices are shared across the team.
7. **Exception Handling:**
   * **Objective:** Implement effective strategies for handling exceptions in automation processes.
   * **Goal:** Ensure that automation processes are resilient and can handle errors gracefully.
   * **Actions:** Develop and implement exception handling procedures and ensure they are effective in resolving issues.
8. **Documentation and Record Keeping:**
   * **Objective:** Maintain transparent records related to licenses, servers, access credentials, ports, IP addresses, and other critical information.
   * **Goal:** Ensure that all documentation is accurate and up to date.
   * **Actions:** Create and manage detailed records for all relevant components to facilitate audits, maintenance, and troubleshooting.
9. **Deliverables and Timeline:**

* **Duration:** The project is set to be delivered within a 12-month period.
* **Deliverables:** The deliverables will include assessments, design documents, development and testing reports, deployment plans, monitoring strategies, infrastructure records, and documentation of all processes and findings.

By addressing these aspects, the program aims to deliver a well-architected, scalable, and efficient RPA solution that meets the client’s business needs and integrates seamlessly with existing systems. The focus will be on ensuring quality through best practices, thorough documentation, and ongoing management and optimization of the automation processes.