STATEMENT OF WORK

Blockchain Integration Project

Summit Digital Solutions, Inc.

Effective Date: January 15, 2024

SOW Reference: SDS-BIP-2024-001

Master Services Agreement Reference: MSA-2023-156

1. INTRODUCTION

This Statement of Work ("SOW") details the blockchain integration services to be provided by Summit Digital Solutions, Inc. ("Provider") in connection with the implementation of distributed ledger technology within the Peak Performance Platform(TM). This SOW is governed by the terms and conditions of the Master Services Agreement dated June 1, 2023.

2. PROJECT SCOPE

2.1 Project Overview

Provider shall develop and implement a permissioned blockchain network to enhance the existing Peak Performance Platform(TM) with the following core capabilities:

a) Distributed ledger infrastructure for IoT data validation

b) Smart contract functionality for automated compliance monitoring

c) Cryptographic verification of sensor data integrity

d) Blockchain-enabled audit trail for regulatory compliance

2.2 Technical Requirements

Provider shall deliver:

2.1 Architecture Components:

- Hyperledger Fabric implementation (v2.5 or later)

- Custom smart contract development

- API integration layer

- Node deployment and configuration

- Consensus mechanism implementation

2.2 Integration Points:

- IoT sensor data ingestion

- Machine learning model output validation

- Existing database synchronization

- Authentication system integration

3. DELIVERABLES

1 Technical Documentation:

- System architecture specifications

- API documentation

- Network topology diagrams

- Security protocols documentation

- Deployment guides

2 Software Components:

- Blockchain node software

- Smart contract codebase

- Integration APIs

- Management dashboard

- Monitoring tools

3 Implementation Services:

- Network setup and configuration

- Node deployment

- Smart contract deployment

- Integration testing

- Performance optimization

4. PROJECT TIMELINE

1 Phase I: Design and Planning (Weeks 1-4)

- Requirements gathering

- Architecture design

-   Technical specification development

-   Project plan finalization

2 Phase II: Development (Weeks 5-16)

-   Core blockchain implementation

-   Smart contract development

-   Integration layer development

-   Testing environment setup

3 Phase III: Integration and Testing (Weeks 17-24)

-   System integration

-   Performance testing

-   Security auditing

-   User acceptance testing

4 Phase IV: Deployment and Optimization (Weeks 25-32)

-   Production deployment

-   Performance monitoring

-   System optimization

-   Knowledge transfer

5. PRICING AND PAYMENT TERMS

1 Project Fees:

-   Development and Implementation: $875,000

-   License Fees: $225,000

-   Annual Maintenance: $150,000

-   Total Project Cost: $1,250,000

2 Payment Schedule:

-   30% upon SOW execution

-   30% upon completion of Phase II

-   30% upon completion of Phase III

-   10% upon final acceptance

6. PROJECT TEAM

1 Key Personnel:

- Project Director: James Henderson

- Technical Lead: Dr. Robert Martinez

- Senior Blockchain Architect: [TBD]

- Integration Specialists: Minimum 3 FTE

2 Resource Commitment:

Provider shall maintain staffing levels sufficient to meet project timelines and quality requirements.

7. ACCEPTANCE CRITERIA

1 Technical Performance:

- Transaction processing speed: 1000 TPS

- Network latency: 500ms

- System uptime: 99.9%

- Data integrity verification: 100%

2 Integration Requirements:

- Successful API connectivity

- Data synchronization accuracy

- Security compliance

- Performance benchmark achievement

8. WARRANTIES AND REPRESENTATIONS

Provider warrants that all deliverables will:

- Conform to specifications

- Be free from material defects

- Comply with applicable standards

- Not infringe third-party rights

9. INTELLECTUAL PROPERTY

All intellectual property developed under this SOW shall be owned by Provider, with Client receiving a perpetual, non-exclusive license for internal use.

10. SIGNATURES

IN WITNESS WHEREOF, the parties have executed this Statement of Work as of the Effective Date.

Summit Digital Solutions, Inc.

By:

Name: Dr. Alexandra Reeves

Title: Chief Executive Officer

Date:

[CLIENT NAME]

By:

Name:

Title:

Date: