

STATEMENT OF WORK

Microservices Architecture Implementation Project

Summit Digital Solutions, Inc.

Effective Date: January 15, 2024

SOW Reference: SDS-SOW-2024-MA-001

Master Services Agreement Reference: MSA-2023-104

1. OVERVIEW

This Statement of Work ("SOW") details the professional services to be provided by Summit Digital Solutions, Inc. ("Provider") for the implementation of a microservices architecture framework as part of the Peak Performance Platform deployment.

2. SCOPE OF SERVICES

2.1 Architecture Design and Planning

- Conduct system architecture assessment
- Design microservices topology and interaction patterns
- Develop service mesh architecture
- Create API gateway implementation strategy
- Define service discovery mechanisms
- Establish container orchestration framework

2.2 Implementation Services

- Development of core microservices components
- Implementation of service mesh infrastructure
- Configuration of API management layer
- Setup of monitoring and observability tools
- Integration with existing systems
- Development of CI/CD pipelines

2.3 Testing and Validation

- Unit testing of individual microservices

- Integration testing of service interactions
- Performance testing and optimization
- Security testing and vulnerability assessment
- Load testing and scalability validation

3. DELIVERABLES

3.1 Documentation Deliverables

- Detailed architecture design documents
- Service interaction diagrams
- API specifications and documentation
- Deployment guides and runbooks
- Security compliance documentation
- Performance testing reports

3.2 Technical Deliverables

- Containerized microservices components
- Service mesh configuration
- API gateway implementation
- Monitoring and alerting setup
- CI/CD pipeline configurations
- Infrastructure as Code (IaC) templates

4. PROJECT TIMELINE

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

- Architecture assessment and design
- Technology stack selection
- Infrastructure planning
- Security architecture design

4.2 Phase II: Implementation (Weeks 5-16)

- Core services development
- Service mesh implementation

- API gateway setup
- Integration development
- Security implementation

4.3 Phase III: Testing and Deployment (Weeks 17-24)

- Testing execution
- Performance optimization
- Production deployment
- Knowledge transfer
- Documentation finalization

5. PRICING AND PAYMENT TERMS

5.1 Project Fees

Total project fee: \$875,000 USD, allocated as follows:

- Phase I: \$175,000
- Phase II: \$437,500
- Phase III: \$262,500

5.2 Payment Schedule

- 25% upon SOW execution
- 25% upon completion of Phase I
- 25% upon completion of Phase II
- 25% upon project acceptance

6. PROJECT TEAM

6.1 Key Personnel

- Project Director: James Henderson
- Technical Architect: Dr. Robert Martinez
- Lead Developer: Sarah Chen
- Security Architect: Michael Chang

6.2 Resource Allocation

- 4 Senior Developers (full-time)
- 2 DevOps Engineers (full-time)
- 1 Security Specialist (part-time)
- 1 Technical Writer (part-time)

7. ACCEPTANCE CRITERIA

7.1 Technical Criteria

- Successful deployment of all microservices
- API gateway handling 1000+ requests per second
- 99.9% service availability
- <100ms average response time
- Zero critical security vulnerabilities

7.2 Business Criteria

- Integration with existing systems
- Successful processing of business workflows
- Completion of all documentation
- Knowledge transfer to client team

8. TERMS AND CONDITIONS

8.1 Change Management

Changes to this SOW shall be managed through the change control process defined in the Master Services Agreement.

8.2 Intellectual Property

All deliverables shall be owned by the client upon payment, with Provider retaining rights to pre-existing intellectual property.

8.3 Confidentiality

All project information shall be treated as confidential per the terms of the Master Services Agreement.

9. AUTHORIZATION

This Statement of Work is entered into as of the Effective Date by the authorized representatives of the parties below:

SUMMIT DIGITAL SOLUTIONS, INC.

By:

Name: Dr. Alexandra Reeves

Title: Chief Executive Officer

Date:

By:

Name: James Henderson

Title: Chief Digital Officer

Date: