

SOFTWARE DEVELOPMENT TOOLS AND PLATFORMS INVENTORY

CONFIDENTIAL DOCUMENT

PROPRIETARY AND CONFIDENTIAL INFORMATION OF NEXUS INTELLIGENT SYSTEMS, INC.

1. INTRODUCTION AND PURPOSE

1 This Software Development Tools and Platforms Inventory ("Inventory") represents a comprehensive catalog of technological assets utilized by Nexus Intelligent Systems, Inc. (the "Company") as of January 22, 2024.

2 The purpose of this Inventory is to provide a detailed accounting of all software development infrastructure, tools, platforms, and associated technological resources critical to the Company's operational capabilities.

2. DEVELOPMENT ENVIRONMENT OVERVIEW

1 Primary Development Platforms

- Cloud Infrastructure: Amazon Web Services (AWS) Enterprise
- Containerization: Kubernetes Enterprise Edition
- Continuous Integration/Continuous Deployment (CI/CD): GitLab Enterprise
- Version Control: GitHub Enterprise

2 Programming Languages and Frameworks

- Primary Languages:
 - a) Python 3.9+ (Machine Learning & Backend Development)
 - b) TypeScript 4.7
 - c) Go (Systems Programming)
 - d) Java 17 (Enterprise Applications)

3 Machine Learning and AI Development Tools

- TensorFlow Enterprise
- PyTorch Professional

- Scikit-learn Advanced
- NVIDIA CUDA Toolkit
- MLflow Tracking Platform

3. SOFTWARE LICENSING AND COMPLIANCE

1 All software platforms and development tools are subject to comprehensive enterprise licensing agreements, with active maintenance and support contracts.

2 Licensing Details:

- AWS Enterprise: Unlimited user license, expires 2025-12-31
- GitLab Enterprise: 100 concurrent user license
- GitHub Enterprise: Unlimited private repository access
- TensorFlow Enterprise: Perpetual enterprise license with annual renewal

3 Compliance Certifications

- SOC 2 Type II Compliant
- ISO 27001 Information Security Management
- GDPR and CCPA Data Protection Standards

4. INFRASTRUCTURE CONFIGURATION

1 Cloud Architecture

- Primary Region: US-West-2 (Oregon)
- Backup/Disaster Recovery: US-East-1 (N. Virginia)
- Multi-zone High Availability Configuration
- Estimated Monthly Cloud Infrastructure Cost: \$87,500

2 Development Server Specifications

- 12 Primary Development Clusters
- 48 vCPU Nodes
- 512 GB Aggregate RAM
- 25 TB Total Storage Capacity
- Kubernetes Cluster Configuration: 3 Master Nodes, 9 Worker Nodes

5. INTELLECTUAL PROPERTY CONSIDERATIONS

1 All development tools, custom scripts, and platform configurations are considered proprietary intellectual property of Nexus Intelligent Systems, Inc.

2 Custom development frameworks and internal libraries are subject to strict confidentiality and protection protocols.

6. LIMITATIONS AND DISCLAIMERS

1 This Inventory represents a snapshot of technological assets as of the date of preparation and is subject to ongoing modification and updates.

2 The Company reserves the right to modify, replace, or discontinue any listed software development tool or platform without prior notice.

7. CERTIFICATION

I, Dr. Elena Rodriguez, CEO of Nexus Intelligent Systems, Inc., certify that the information contained herein is true, accurate, and complete to the best of my knowledge as of the date of execution.

EXECUTION

Executed this 22nd day of January, 2024

Dr. Elena Rodriguez

Chief Executive Officer

Nexus Intelligent Systems, Inc.