Pyxgen Capabilities Statement – Labs

Company: Pyxgen
Engagement Model: Corp-to-Corp (C2C) Contract

Core Competencies

• Healthcare Data Integration – HL7 v2 (ORM/ORU), X12 transactions, JSON, and FHIR.
• API & Cloud Engineering – Secure APIs for lab-to-provider and lab-to-payer connectivity.
• Python-Based Pipelines – Pyxgen is built on a Python framework for high adaptability and reliability.
• Security & Compliance – HIPAA, PHI handling, CLIA considerations, audit readiness.

Pyxgen Framework: Clean-to-Decision Pipeline

• Input: HL7 v2 (ORM/ORU) lab orders and results, X12 billing transactions.
• Processing: Parsing, validation, enrichment, and transformation into JSON/API for EHRs.
• Output: Structured results for provider systems, payer reporting, and patient access.
• Benefit: Supports fast, secure lab-to-EHR connectivity with compliance baked in.

Differentiators

• Lab Workflow Focus – Designed for lab order/results and billing integration.
• Fast-to-Adopt – Python-based framework accelerates lab-to-provider interoperability.
• Platform-Agnostic – Compatible with EDI/HL7 tools like Stedi and Mirth.
• Decision-Driven – Ensures clean, validated results at the point of care.

Past Performance / Background

• Delivery of lab order/results integrations with provider systems.
• Experience working with compliance-heavy lab reporting requirements.
• Proven track record of enabling fast, accurate result delivery.

Engagement Model

• C2C Contract – Flexible engagement for lab-specific deliverables.
• Scope includes lab-to-provider, lab-to-payer, and lab-to-patient integrations.

Next Step: Let’s discuss how Pyxgen’s Python-powered pipeline can streamline your lab integrations, accelerate results delivery, and ensure compliance.