

# Memorandum of Understanding (MoU)

**Between:**

**Ogaga (Layra Project Lead)**

and

**Abduganiyu Yusuf (Collaborator)**

**Date:** November 6, 2025

## 1. Purpose

This Memorandum of Understanding ("MoU") outlines the terms of collaboration between Ogaga, the lead developer of the Layra Project, and Abduganiyu Yusuf, who will contribute to the project's technical development, specifically in backend optimization and data processing. The purpose of this collaboration is to enhance Layra's backend architecture to efficiently process large sets of PDFs and improve data extraction accuracy and speed.

## 2. Background

Layra is an AI-powered invoice processing tool designed to extract, validate, and verify structured data from multiple PDF invoices. The system uses FastAPI (Python), React (TypeScript), and AI-driven OCR to deliver a trust-first, high-speed invoice verification experience for accountants and finance professionals.

## 3. Scope of Collaboration

Abduganiyu Yusuf will contribute primarily to:

- **Data Processing Optimization:** Refactor backend logic for concurrent PDF processing and improve data pipeline efficiency.
- **System Performance and Scalability:** Enhance batch processing capacity (target: 100+ PDFs under 1 minute) and review data models.
- **Backend Refactoring:** Reorganize FastAPI endpoints for scalability, improve error handling, and enhance monitoring.
- **Testing and Documentation:** Contribute to backend test coverage and documentation.

Ogaga will provide access to repositories, technical guidance, and integration support.

## 4. Deliverables

1. Optimized backend capable of large-scale concurrent PDF processing. 2. Updated data processing and validation pipelines. 3. Documentation outlining improvements, benchmarks, and refactoring notes.

## 5. Intellectual Property

All code, documentation, and materials produced under this collaboration remain the intellectual property of the Layra Project. Abduganiyu Yusuf retains the right to reference the collaboration for portfolio and experience purposes with proper credit.

## 6. Duration

This MoU is effective as of November 6, 2025, and remains in effect until project completion or mutual termination. Either party may end the collaboration with written notice.

## 7. Compensation

Any financial or resource-based contributions will be determined separately based on milestones and deliverables.

## 8. Confidentiality

Both parties agree to maintain confidentiality regarding any proprietary code, architecture, or client data shared during the collaboration.

## 9. Communication

- Primary communication: GitHub, Slack, or email.
- Weekly sync: 30-minute progress meeting.
- Code reviews via pull requests and version control comments.

## 10. Signatures

**Ogaga (Layra Project Lead)**

**Abduganiyu Yusuf (Collaborator)**

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_