Test PDF Document

Technical Specification Document

Project: PDF Ingestion Microservice
Version: 1.0

Architecture:
The system uses a microservices architecture with the following components:
- Go-based REST API service
- PostgreSQL for master database
- MongoDB for tenant-specific databases
- MinIO for object storage
- OpenAI for AI summarization

Database Strategy:
Each tenant receives a dedicated MongoDB database ensuring complete
data isolation and security. The master PostgreSQL database maintains
metadata about all tenants.

API Endpoints:
POST /api/v1/upload - Upload PDF with tenant name
GET /health - Health check endpoint

Technology Stack:
Backend: Go 1.21+
Databases: PostgreSQL 16, MongoDB 7.0
Storage: MinIO (S3-compatible)
Orchestration: Kubernetes