MiFiX – Platform that hosts multiple apps that connects banks and common people who doesn't have access to banks, loans and other financial instruments.

New Street Tech and SheCommerz

New Street Tech (parent company) is the tech provider / product maker

SheCommerz is the customer gaining and managing business

Joint Liability Group (JLG) and Collections apps

JLG Strength (members) - min 4, max 10

Mobile app -> onboarding (Relationship Manager uses mobile app for onboarding the customers)

Web app -> approval (Branch Manages use web app for approval)

Key Terms:

BC - Business Correspondents

FO - Field Officer

RM Relationship Manager (cust. onboarding via Mifix)

> Login via MFA/2FA

> ekyc (via aadhar api)

> secondary checks (Voter ID/PAN)

DPD - Day Pass Due, 30days, 60days etc

NPA – Non-Performing Asset.

BM - Branch Manager

RH - Regional Heads

NTC - New To Credit

ETC - Existing To Credit

ICPH - Internal Central processing Hub

ICPH team - checks info of the user

FMS - Field Management System

LOS - Loan Originating System

LMS - Loan Management System

Levels of Info check

L1 - Bank info.

L2 - Household & owner information

L3 - Residence Details Capture

CRIF High Mark - credit history

why a data point is captured - API or Documents requirements

Demand Data - amount to be collected from people mapped to FO territory, i.e, details of customers whose EMI needs to be collected on that month.

Payment features in the JLG App - partial payment, advance amount payment, pre closure.

Payment methods in JLG app – By Liquid Cash, Pay via UPI (pushed more, as it keeps company expense and man hours less), Pay via Link, Pay via WhatsApp.

SMS gateway API - template for QPA, OTP by bank (has limits)

- pinnacle WhatsApp - send message in bulk (but it costs to company, NST)

Flow of Reconcilation:

BM -> Bank Branch -> Money goes to bank pool account -> get receipt -> Submit to SheCom app (UTR no.) -> Reconcilation Team checks -> Transaction recorded for Individual accounts

Flow of Customer Onboarding:

Gather customer details -> Video demo and consent -> getting mobile number -> biometrics -> capture image (for new customers only) -> secondary checks (voter id or PAN card) -> auto extract and fill details from IDs -> customer residence image -> validate using CKYC

MiFiX.ai: The Universal System Builder

Summary

MiFiX.ai is a configuration-driven platform that allows users to build, modify, and deploy enterprise applications using natural language. It operates on a "Prompt to Production" model, enabling the creation of applications in minutes rather than months. The platform uses AI to generate detailed JSON configurations which are then executed by deterministic engines.

The Problem: Broken Enterprise Software Process

Current development processes face four major challenges:

Slow Time-to-Market: New applications take 6–12 months to launch, leading to lost market opportunities.

High IT Dependency: Minor changes create bottlenecks as they require developer involvement.

Rigid Systems: Core systems lack the flexibility to adapt to changing regulatory or business requirements.

Crushing Maintenance: Up to 40% of IT budgets are consumed by maintaining legacy systems, which hinders innovation.

Core Architecture

The platform relies on two distinct layers to ensure speed and reliability:

1. The AI Configuration Layer (The Architects)

A multi-agent AI system that interprets natural language prompts.

Designs the complete application blueprint as a set of JSON configurations.

The Agents: The system uses 31 specialized agents, including a Supervisor Agent (project manager), 19 Configuration Agents (domain specialists), and 11 Execution Agents.

2. The Deterministic Execution Layer (The Builders)

A suite of stateless, high-performance engines that read JSON configurations to execute business logic.

Key Feature: These engines contain no LLMs, ensuring deterministic and reliable behavior.

Engines: Includes UI Rendering, Validation, Workflow, Scheduler, Audit, Authentication, and API Orchestration engines.

Performance: The API Orchestration Engine targets 99.5% availability and includes production patterns like retry logic, circuit breakers, and response caching.

AI Governance and Controls

MiFiX.ai emphasizes "Human in the Loop" empowerment rather than unchecked autonomy.

Maker-Checker Workflow: No AI-generated configuration operates without human review. The user prompting the AI (Maker) cannot be the one approving it (Checker).

Configurable Trust Levels:

L1 (Full Review): 100% human review required (e.g., for critical financial logic).

L2 (Spot Check): 20% of configurations are sampled for review.

L3 (Autonomous): 0% review for pre-approved, low-risk patterns.

The MiFiX Brain (Learning System)

The Tenant Brain (Private): A knowledge store isolated to the organization that learns specific patterns and naming conventions.

The Shared Brain (Anonymized): An opt-in repository of best-practice patterns and industry templates that is fully DPDPA compliant.

Security and Compliance

Encryption: Data is protected with AES-256 encryption at rest and TLS 1.3 in transit.

Isolation: A strict database-per-tenant architecture ensures physical and logical data segregation.

Audit: An immutable audit trail captures every action and data change.

Compliance: Built-in framework for regulations like DPDPA, managing consent and data residency.

Runtime AI Capabilities

Beyond configuration, the platform offers 11 AI-powered Execution Agents for real-time processing

Document OCR Agent: Extracts text from IDs and forms using Vision LLMs.

Audio/Voice Agent: Handles transcription, voice authentication, and sentiment analysis.

Biometric Agent: Manages face and fingerprint matching.

Query Agent: Translates natural language questions into SQL queries.

Impact and ROI

Switching to MiFiX.ai dramatically reduces development timelines and costs:

New Product Launch: Reduced from 6 months to 4 weeks (80% time savings).

Validation Rule Implementation: Reduced from 2–3 days to 5 minutes (>99% time savings).

Workflow Modification: Reduced from 4–6 weeks to 2 hours (98% time savings).

AGENTS

Action – Synchronous

Workflow - async

Minimalistic action agent: Input -> process -> output

pre config - Info to do things. (APIs available, schemas, capabilities)

take usecases and check which agent can do each.

Action agent - configurator takes a user's raw natural input, and transforms it into a clean, validated, fully structured, action configuration JSON. The exec engine consumes the validated config and runs each step in sequence - generating data, hitting apis, querying dbs, transforming results and finally assembling output. Action agent configurator - VDB setup, encrypting code and queries while storing in db. Two mock apis for scheduler agent - configurator and executor apis.