TeamPulse – 14-Day MVP Build Plan

Objective

Build a functional MVP of **TeamPulse**, an AI-powered Admin / Ops Assistant, within 14 days. The MVP will demonstrate core value: data ingestion, AI-powered insights, automated reports, and alerts.

This plan prioritizes **speed, clarity, and demo-readiness** over full-scale optimization.

MVP Success Criteria

By Day 14, TeamPulse should:

- Accept real business data (CSV)
- Answer operational questions accurately
- Generate daily & weekly reports
- Auto-create staff performance summaries
- Flag basic anomalies
- Be demo-ready for recruiters, founders, or early users

Day-by-Day Build Plan

Day 1 – Product & Technical Setup

Goals: Foundation & alignment

- Finalize MVP scope from PRD
- Define core entities (Staff, Attendance, Sales, Payments, Tasks)
- Set up GitHub repo & project structure
- Choose tech stack
- Create basic environment setup

Deliverable: Repo initialized, MVP scope locked

Day 2 – Database Design

Goals: Data structure

- Design database schema
- Define relationships & constraints
- Seed sample test data
- Set up migrations

Deliverable: Working database schema

Day 3 – Data Upload & Validation

Goals: Ingest real data

- Implement CSV/Excel upload endpoint
- Column auto-mapping
- Validate required fields
- Handle errors gracefully

Deliverable: Clean data stored successfully

Day 4 – Data Processing & Normalization

Goals: Make data AI-ready

- Normalize dates, names, IDs
- Deduplicate records
- Create standardized tables/views

Deliverable: Reliable, clean datasets

Day 5 – AI Query Interpreter

Goals: Understand questions

- Implement natural language parsing
- Map questions to intents & entities
- Handle date-based queries

Deliverable: Structured query output from plain text

Day 6 – Insight Generator Logic

Goals: Generate correct insights

- Attendance logic (present/absent/late)
- Payment status logic
- Task completion logic

Deliverable: Accurate insight computation

Day 7 – AI Summary Engine

Goals: Human-readable responses

- Convert insights into summaries
- Ensure neutral, business-safe tone
- Standardize response templates

Deliverable: Clear AI-generated answers

Day 8 – Daily & Weekly Reports

Goals: Automated reporting

- Daily operational report
- Weekly performance report
- Report storage

Deliverable: Auto-generated reports

Day 9 – Staff Performance Summaries

Goals: Individual accountability

- Weekly per-staff summaries
- Performance tagging

- Editable output

Deliverable: Staff performance summaries

Day 10 – Alert & Anomaly Engine

Goals: Proactive notifications

- Rule-based alert thresholds
- Trigger alerts for issues
- Attach explanations

Deliverable: Functional alert system

Day 11 – Dashboard UI (Basic)

Goals: Visibility

- Dashboard overview
- Reports list
- Alerts panel
- AI chat interface

Deliverable: Usable admin dashboard

Day 12 – QA & Bug Fixing

Goals: Stability

- Functional testing
- AI output validation
- Fix critical bugs

Deliverable: Stable MVP

Day 13 – Demo Data & Polish

Goals: Presentation-ready

- Prepare demo dataset
- Improve copy & UI clarity
- Optimize flows

Deliverable: Demo-ready build

Day 14 – Final Review & Deployment

Goals: Ship

- Final walkthrough
- Deploy to staging
- Update README & docs

Deliverable: Deployed MVP + documentation

MVP Feature Checklist

- CSV upload
- AI Q&A
- Daily reports
- Weekly reports
- Staff summaries
- Alerts
- Dashboard

Team Setup (Solo-Friendly)

- 1 Engineer (full-stack)
- AI services (API-based)
- Lightweight UI framework

Why This Plan Works

- Builds value incrementally
- Keeps AI grounded in real data

- Produces visible output early
- Ends with a demo-ready product

TeamPulse MVP in 14 days proves one thing: execution beats ideas.