



Telegram | n8n | OpenAI | Google Sheets | Gmail

Mahiru – AI-Powered Trip Planner Agent

Your Personalized AI Travel Companion — Plan, Price & Go.

#TravelAI

#TripPlanning

#N8NAutomation



Autviz
Solutions

Overview

The Mahiru Trip Planner Agent is an AI-powered virtual travel assistant built on n8n, integrated with Telegram. It crafts fully personalized, end-to-end travel itineraries — delivering hotel recommendations, cost estimates, route plans, and event suggestions in a warm, human-like conversation style.

By integrating Telegram, OpenAI, Google Sheets, Gmail, and live travel APIs, Mahiru provides a scalable, intelligent, and privacy-respecting travel planning solution — handling everything from language detection to styled email trip summaries.



Itinerary



Conversational



Route Plans



Email Reports

Challenges

Prior to building Mahiru, travelers and teams faced these core pain points:



Manual Trip Planning

Creating personalized itineraries required hours of research across multiple websites — error-prone and time-consuming.



No Real-Time Data

Static travel guides lacked live hotel availability, flight prices, or local event info, giving outdated recommendations.



Language Barriers

Most tools forced users into English, ignoring the first-message language preference of international travelers.



No Persistent Memory

Chat tools forgot previous trips and preferences, forcing users to re-enter everything on every new session.



Fragmented Experience

Users juggled multiple tools — search, maps, email, booking — with no single intelligent assistant to unify them.

Objectives

This project was built to:



Automate end-to-end trip planning via a conversational Telegram agent.



Use OpenAI to generate personalized, day-wise travel itineraries in real time.



Fetch live hotel, flight, event, and route details from travel APIs for accuracy.



Auto-detect and respond in the user's language from the very first message.



Generate styled HTML email summaries and send via Gmail integration automatically.



Store and recall trip history and preferences for seamless repeat user sessions.

Solution



Built using **n8n**, connecting **Telegram**, **OpenAI**, **Google Sheets**, **Gmail** and live travel APIs for a fully automated trip planning experience:

Conversation & Planning Flow

1 Telegram Trigger

User sends trip request to Mahiru. Language auto-detected from first message.

2 Intent & Profile Parse

n8n extracts: destination, dates, budget, group. Missing info requested conversationally.

3 AI Itinerary Generation

OpenAI crafts detailed day-wise plan with activities, timings, and cost breakdown.

4 Live Data Enrichment

APIs fetch real-time hotel rates, events, flights, trains, and route details.

Delivery & Storage Flow

1 Telegram Reply

Formatted trip plan delivered back via Telegram in user's detected language.

2 Email Summary Sent

Styled HTML email with full itinerary, cost summary, and booking links via Gmail.

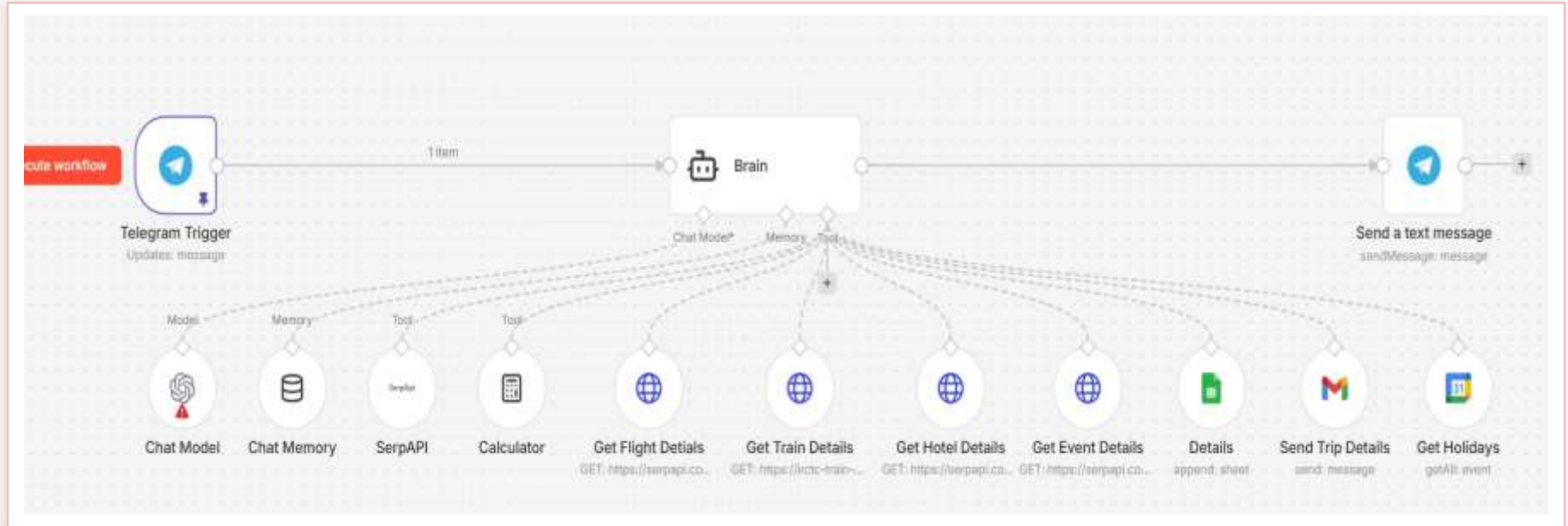
3 Data Logged to Sheets

Trip details and preferences saved to Google Sheets for history and recall.

4 Follow-up Handling

Mahiru continues conversationally, refining the plan based on feedback.

Conversation & Enrichment Workflow



Telegram Trigger · Brain (AI Agent) · OpenAI GPT-4o · Chat Memory · SerpAPI · Google Sheets · Gmail · Google Calendar

Telegram Webhook

Brain Agent

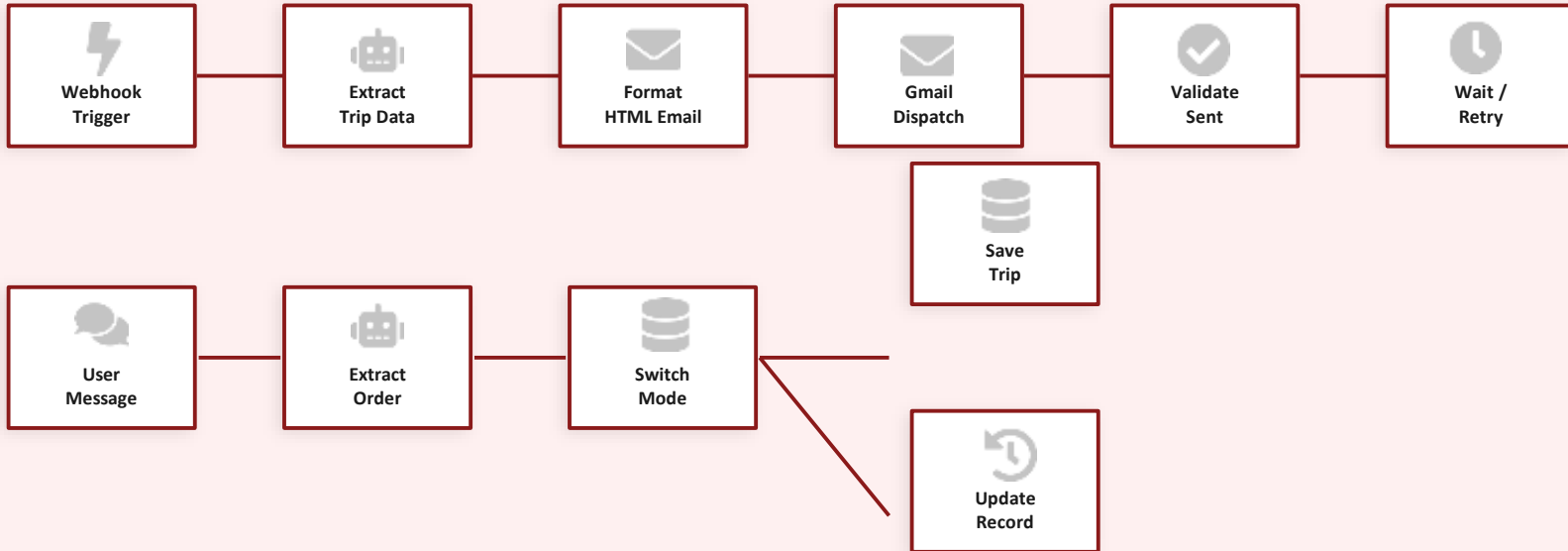
n8n Automation

Google Sheets

Gmail API

Email Dispatch & Storage Workflow

Orders - one time ingest • Webhook - create / update



Key Tools & Technologies



n8n

Workflow automation engine



Telegram Bot

Primary chat interface



OpenAI GPT-4o

Itinerary & response generation



Google Sheets

Trip history & preference logging



Gmail API

Styled HTML email dispatch



Live Travel APIs

Real-time hotel, flight & event data

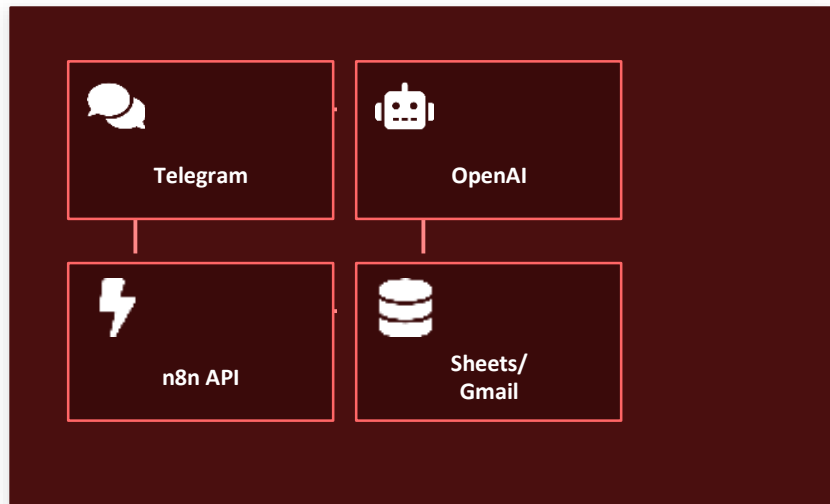
Duration & Resources



Time Taken: 20 Days



Resources: 1 Developer



Use Cases

Personalized Vacation Planning

Custom itineraries with cost breakdowns for families, couples, or solo travelers.

Event-Centric Travel

Suggest local festivals and events aligned with trip dates and user interests.

Budget Estimation

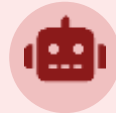
Auto-calculate minimum trip budgets when users don't specify a figure.

Multi-Trip Tracking

Save trip history and recall user preferences seamlessly for repeat visits.

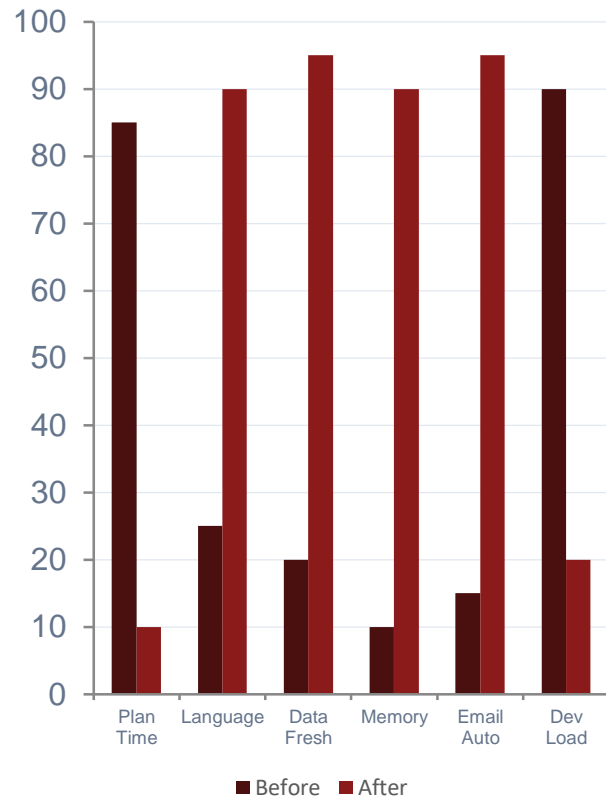
Email-Ready Summaries

Generate styled HTML emails with full itinerary, costs, and booking links.



Outcomes

Metric	Before Mahiru	After Deployment
Planning Time	2–4 hours manual	< 2 minutes automated
Language Support	English only	Auto-detected, multilingual
Data Freshness	Static / outdated	Live, real-time APIs
Trip Memory	None (repeat entry)	Persistent, recalled instantly
Email Summaries	Manual compose	Auto-generated HTML emails
Developer Overhead	High (manual integrations)	Low (fully automated)



Conclusion

The Mahiru Trip Planner Agent demonstrates how AI and automation can revolutionize personal travel planning. By seamlessly integrating Telegram with OpenAI, Google Sheets, and Gmail — all orchestrated through n8n — Mahiru delivers personalized, multilingual, and real-time travel experiences without any manual effort.

This agent is ideal for travel platforms, personal assistants, and businesses aiming to enhance customer engagement, automate itinerary creation, and deliver AI-driven insights — all while saving time, reducing errors, and delighting users with a warm, human-like conversation experience.



Smart Travel
Planning



AI-Powered
Conversations



End-to-End
Automation