



Welcome

WhatsApp Lead Assistant AI Agent

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Project Overview

- Automated WhatsApp chatbot for lead collection and storage
- Collects candidate details automatically
- Stores data in Google Sheets
- Instant email alerts to admin
- GDPR compliant system

CHAT
BOT



The WHY?

- Manual WhatsApp replies are slow
- Leads can be missed
- No structured lead database
- GDPR compliance risks

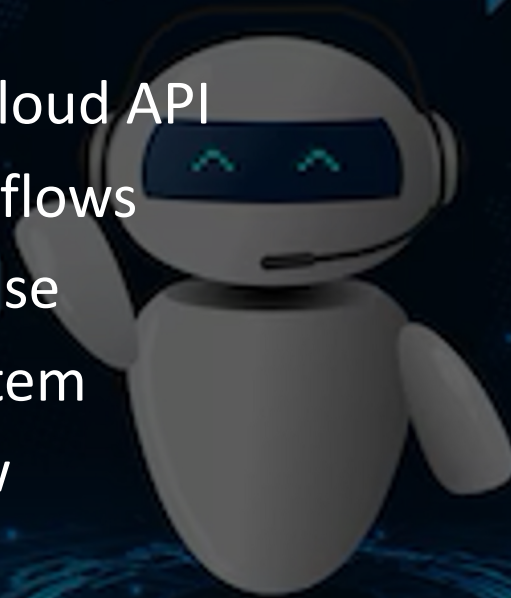
A white humanoid robot with a friendly face, wearing a black headset with a microphone. It is sitting at a desk, and a laptop is visible in front of it. The background is a blurred office setting.

Project Goals

- 24/7 automated lead capture
- Structured data collection
- Instant notifications
- Multi-language support
- Legal compliance
- Enable centralized data storage for recruiters
- Improve lead conversion and response time
- Reduce manual recruitment workload
- Scalable to thousands of leads
- Reduced operational costs

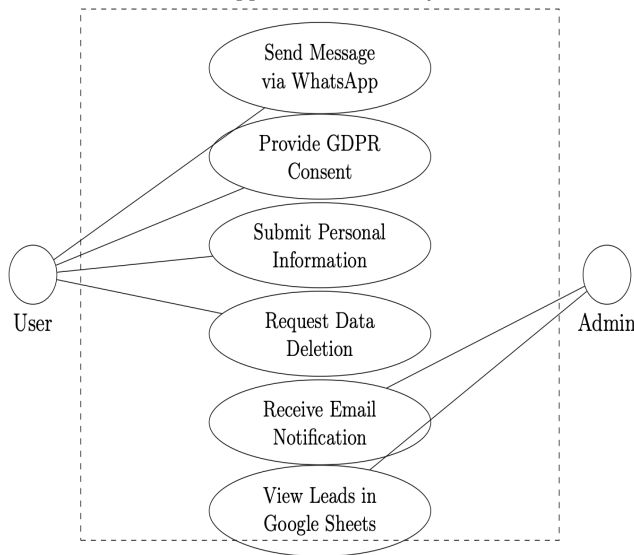
System Architecture

- WhatsApp Business Cloud API
- n8n automation workflows
- Google Sheets database
- Email notification system
- AI conversational flow

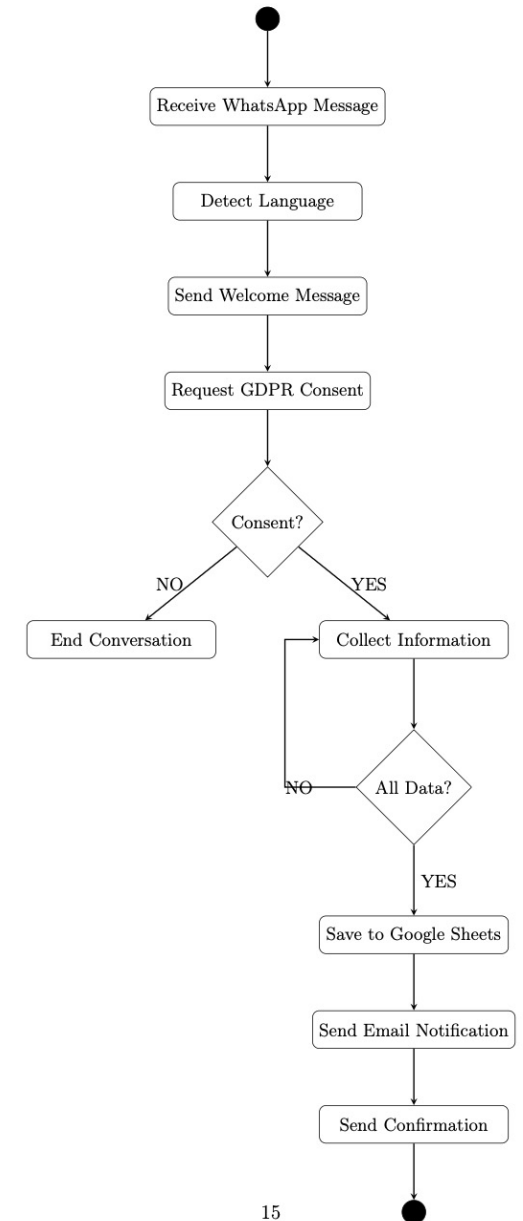


Chatbot Conversation Flow

WhatsApp Lead Chatbot System



- User sends WhatsApp message
- Language detection
- GDPR consent request
- Collect name, phone, email, location
- Confirmation message



GDPR Compliance Features



Explicit consent logging



Consent timestamp storage



Right to data deletion (DELETE command)



Secure data storage

Multi-Language Support

English, Polish, German, Spanish

Ukrainian, Hindi, Malayalam

Automatic language detection

Data Storage & Reporting

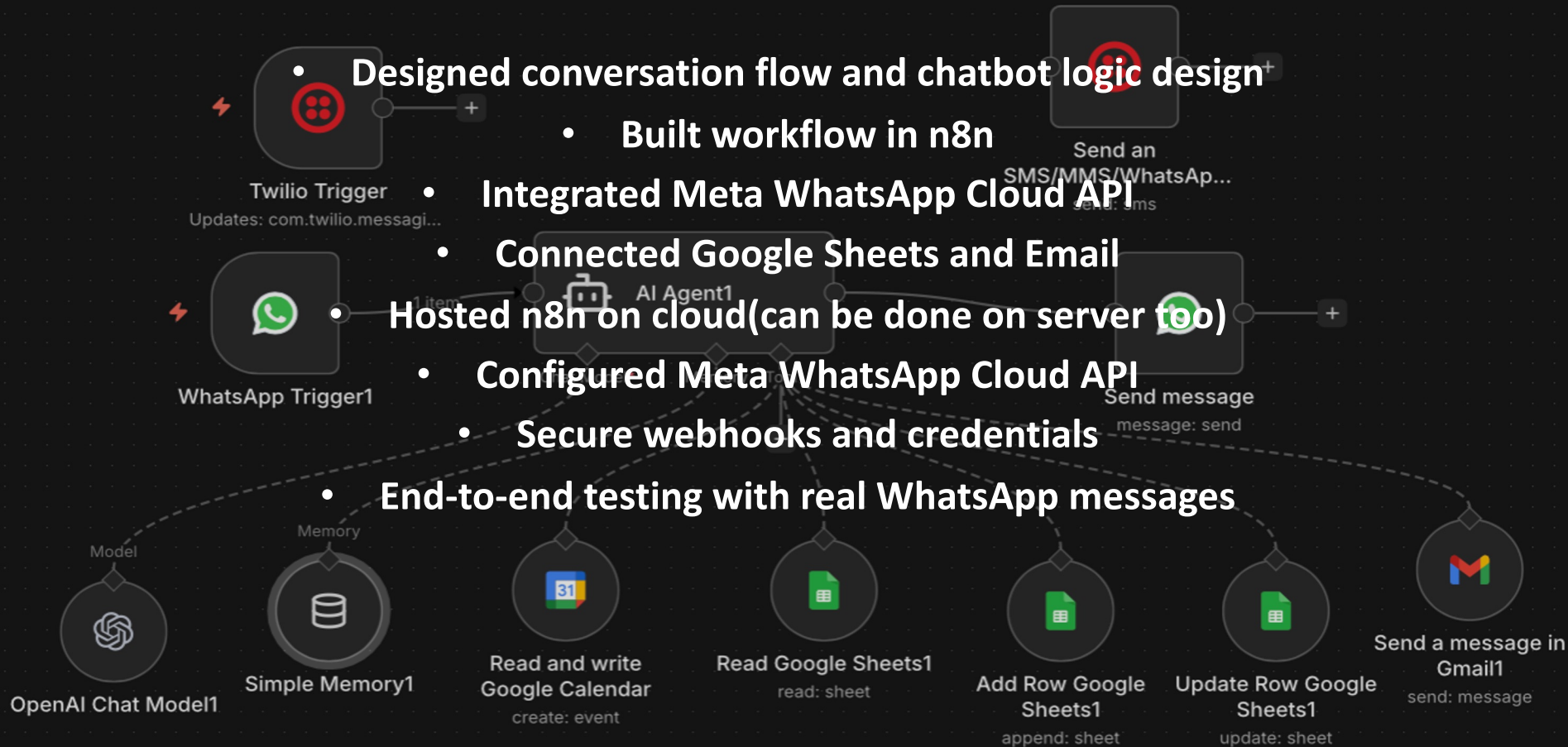
- Google Sheets lead database
- Structured columns for filtering
- Optional daily PDF reports

Admin Email Notification

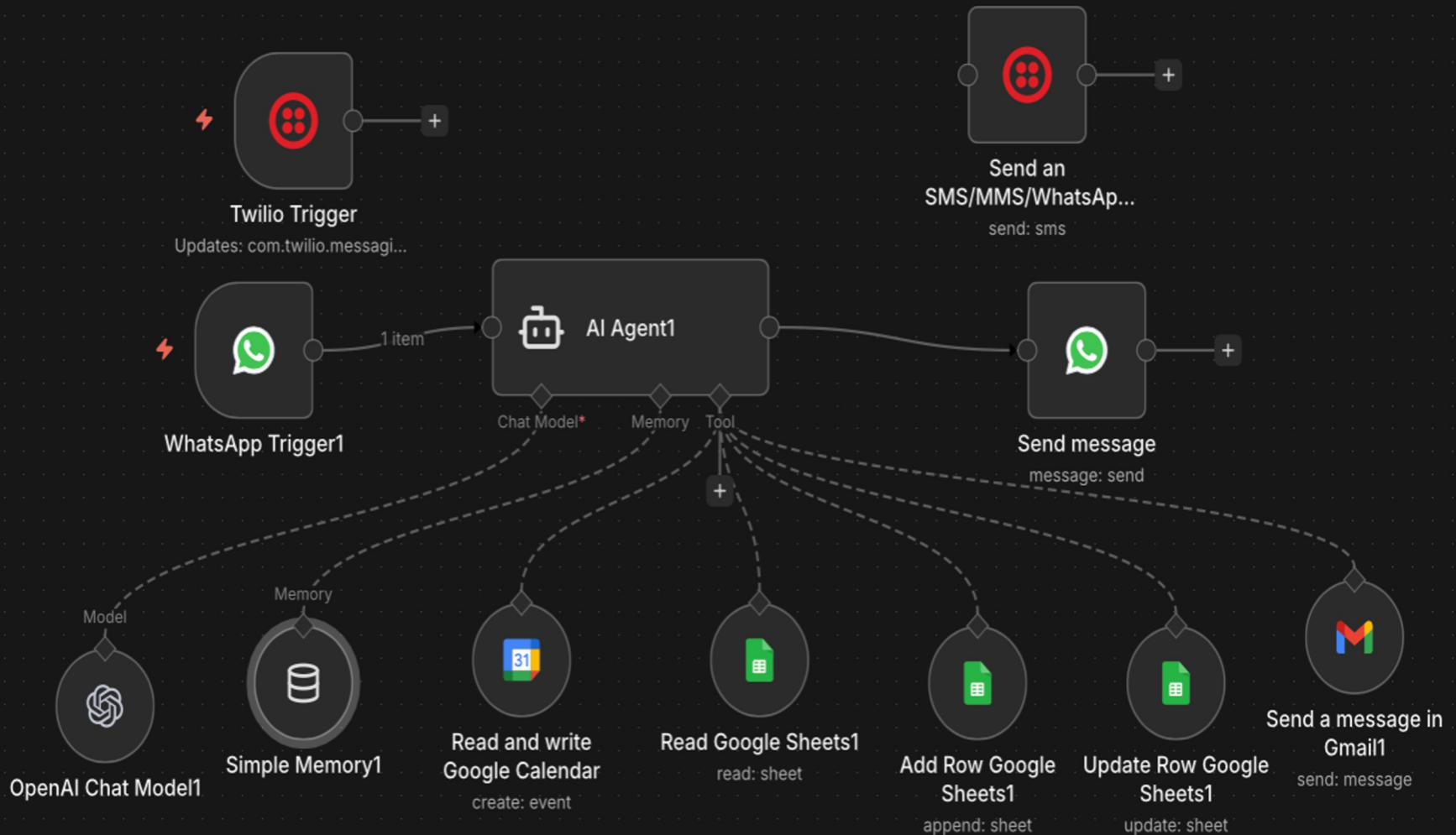
- Instant email per new lead
- Includes contact details
- Enables fast recruiter follow-up



Development Process and Deployment Setup

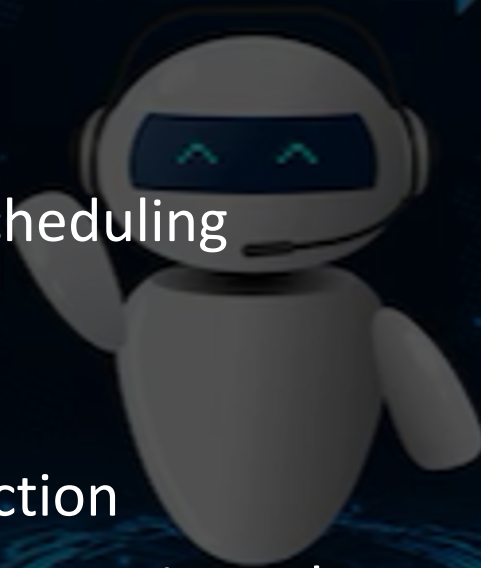


n8n Workflow



Future Enhancements

- CRM integration
- Automated interview scheduling
- AI lead qualification
- Analytics dashboard
- Secure Document Collection
- Human handover to live recruiter when needed



Conclusion

- Successfully developed an automated WhatsApp lead collection system
- Improved recruitment efficiency and data quality
- Ensured GDPR-compliant data handling and consent management
- Delivered real-time notifications for faster recruiter response
- Designed a scalable and extensible automation architecture
- Demonstrated strong potential for enterprise HR digital transformation

