Brabants Streekgoed AI Assistant

Bridging the Gap Between Local Farmers and Consumers via WhatsApp

AI Solution Architecture

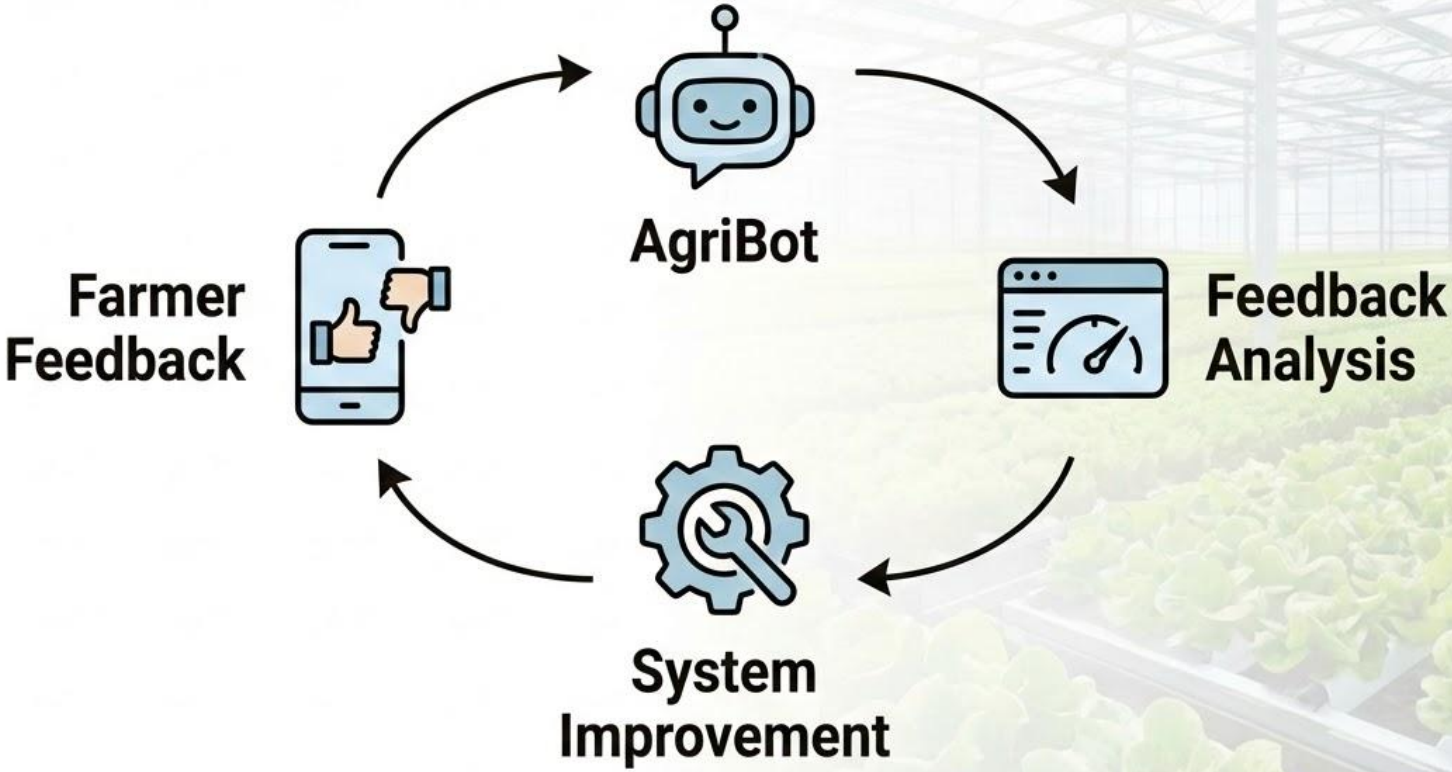
- **The Brain:**
  Powered by the qwen3:14b model, providing an intelligent, "Bourgondisch" personality that fits the Brabant culture.
- **Accuracy:**
  Uses a custom RAG (Retrieval-Augmented Generation) knowledge base to prevent AI hallucinations and provide verified product info.

Smart Order Reminders

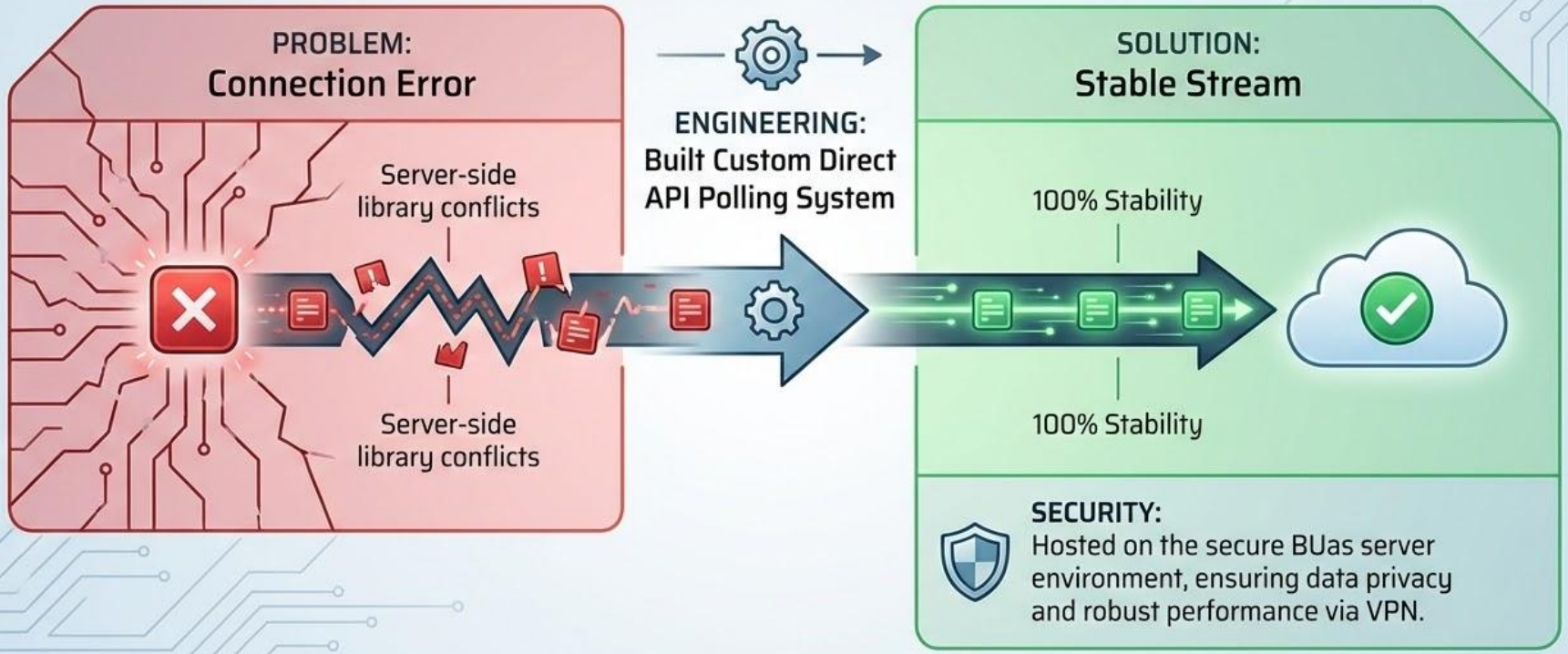
- **Automation:**
  Intelligent Python logic detects days (Monday/Tuesday) and times to schedule personalized order nudges.

- **User Control:**
  Allows customers to set custom reminders (e.g., “Remind me Tuesday at 10 am”), bridging the gap between desire and purchase.

CONTINUOUS IMPROVEMENT
via Customer Feedback Loops

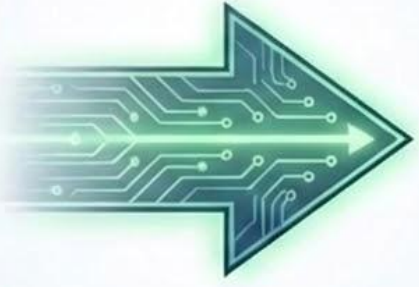


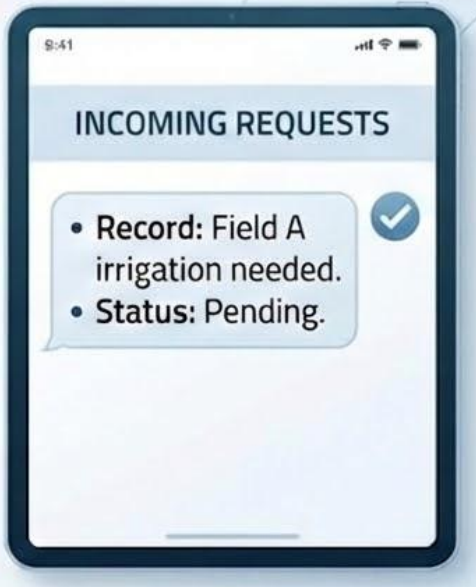
Technical Resilience (Path 2 Focus)



Hands-Free Efficiency

Speech-to-Text Conversion





Professional Text Record (On Tablet)

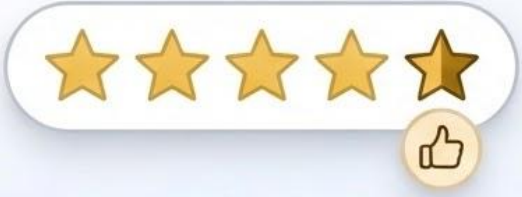
‘Scaling Intelligence’

- Moving beyond Qween 3:14b to larger models (like llama3.1:70b or GPT-4o) to handle massive knowledge bases.

- This allows the bot to understand deeper nuances in agricultural data and complex seasonal logistics.

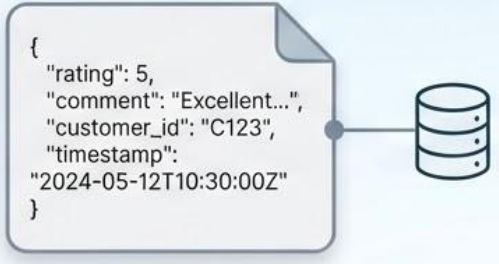
Capturing the Voice of the Customer

Insights



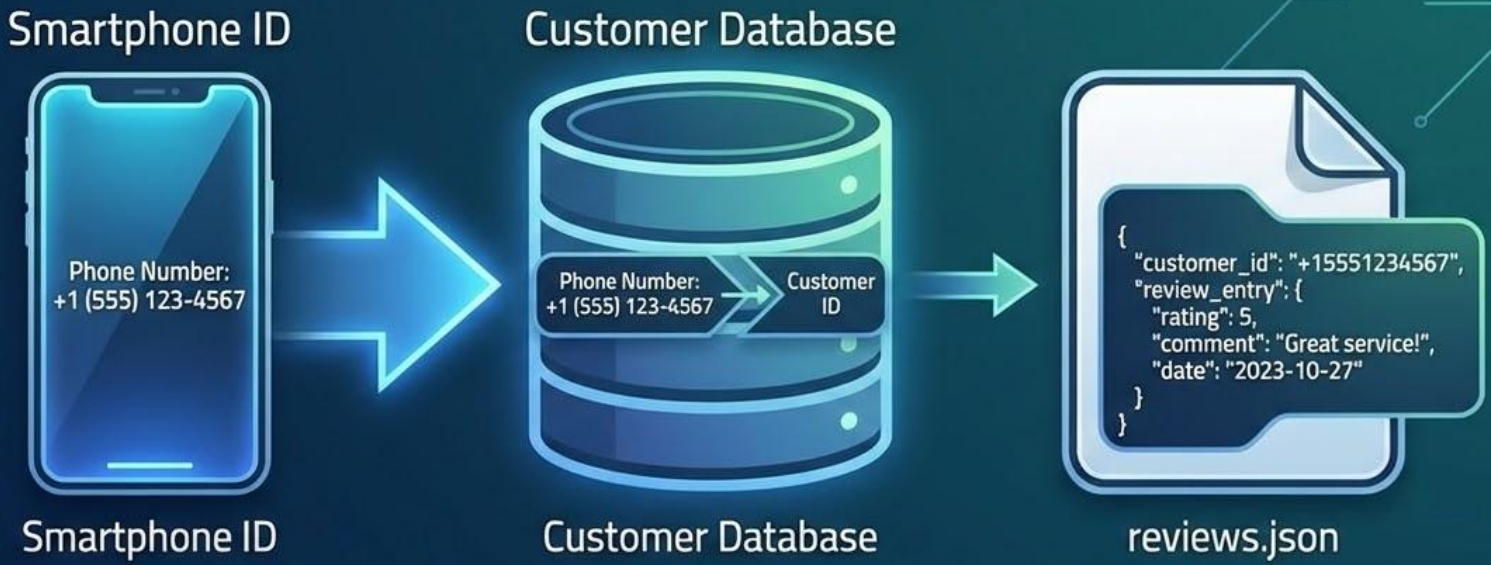
Automated review system captures 1-5 star ratings and comments directly after positive interactions.

Persistence



All feedback is saved to a structured JSON database, giving farmers actionable data to improve their service.

Data-Driven Personalization



- Enhancing data persistence by using the customer's phone number as a unique Customer ID.
- All reviews and interactions are saved to reviews.json, mapped specifically to that ID for personalized service and history.

Scaling Local Tradition with Modern Intelligence

Conclusion & Business Impact

Efficiency

Estimated 70% reduction in manual customer support tasks, returning hours of labor back to the farmers.

Scalability

The system is modular—as the cooperation grows, new products and locations are added with a simple text update.


CONCLUSION:
A Future-Ready Agricultural Ecosystem
Increased Efficiency
Enhanced Knowledge Access
Stronger Community