

A Chatbot with Amnesia



An AI companion that forgets your name after 200 messages isn't a companion. It's a chatbot with amnesia wearing a friendship bracelet.

The 200-Memory Ceiling

A hard cap prunes memories purely by a generic importance score. Critical life details get overwritten.

The Equal Weighting Flaw

Currently treats *haha* and your real name with the exact same importance.

Phase 1: Fixing the Hoard

Before (Concatenation)

User's name is Alex.
User's name is Alex.
User mentioned their name is Alex.
(Yields one useless monster string).

After (Keep-best merge)

Overlaps are merged.
Keeps only the highest importance,
most concise truth:
User's name is Alex.

- Extraction interval shifted from 10 to 24 messages (eliminates noise).
- Memory taxonomy expanded from 5 generic shelves to 8 specific types (identity, preference, routine, shared, etc.).



Phase 2: Waking Up Temporal Context

**Connecting the dormant
EpisodeManager code.**

Zzz

**Goodbye flat memory
dumps.
Memories are finally
assigned to specific
conversational episodes.**

**Enables temporal retrieval.
Mio won't just remember
disconnected facts; Mio will
remember that time we
talked about...**

Fixing the Universal 30-Day Half-Life

Memory decay should map to how humans actually remember.

Identity & Milestones: 365 Days
(Durable, permanent truth)

Preferences: 180 Days

Routines: 45 Days
(Refreshes naturally through repetition)

Shared Emotions: 30 Days
(Transient, fades naturally)



Phase 3: Memory That Feels Human

Memory Gap Detection

The system actively scans for unresolved life events. A job interview mentioned two weeks ago with no follow-up becomes a natural proactive hook.



Proactive Retrieval

The difference between a generic *What are you up to?* and a companion that pulls the loose thread because they actually listening.