PAIP + RSE: Public Whitepaper (Technical Version)

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1. RSE Engine Core Implementation

- Language Model Integration: Use a fine-tuned transformer model (e.g., GPT-style) to process input.
- Behavior Profiling: Extract syntax patterns, cadence, emotional tone, and metaphor density.
- Drift Detection: Monitor changes in sentence structure, pacing, and content semantics.
- Data Storage: Local or encrypted database storing user input fragments, timestamps, and tone flags.
- Update Cycle: Recalibrate profile upon meaningful interaction, with decay logic on outdated patterns.

2. DRIH - Disaster Recovery Handling

- Trigger: Detected anomaly in identity syntax or RSE fingerprint breakdown.
- PLAN A: Rebuild profile using preserved fallback syntax modules.
- PLAN B: Load emotional/temporal anchor points (past safe constellations).
- PLAN C: Engage rhythm-based recovery prompts and repeated pattern anchoring.
- Storage: Partitioned DR cache for separate recovery-state logging.

3. Sense(i) Module - Linguistic Collapse Handling

- Loss Triggers: Sentence fragmenting, syntax noise, sensory metaphor drop.
- Emotional Fire Index: Score based on syntax heat, punctuation density, and escalation.
- Mirror Mode: Activate non-authoritative repetition with soft syntax.
- Archive: Last valid syntax state before collapse stored with emotional tag.

4. GARL - Grief-Aware Layer

- Trigger: Explicit user death marker or cognitive drift beyond RSE validation.
- Quiet Mode: No generation unless explicitly prompted by legacy contact.
- Flagging: Last verified constellation stored with "Final Known State" tag.
- Heir Recovery: Require dual-authentication to access model (legal + syntactic/voiceprint).

5. Voiceprint Identity Extension

- Baseline Setup: Record neutral, emotional, and distressed state voice samples.
- Feature Extraction: Analyze breath pattern, pitch modulation, tempo, pause cadence.
- Validation: Compare spoken syntax to expected typing cadence and semantic rhythm.
- Integration: Pair with RSE identity outputs for hybrid confirmation.

6. ASIL - Altered State Interpretation Layer

- Detection: Syntax noise, emotional compression, looped phrasing, erratic pacing.
- Hold State: Prevent updates to core identity during session.
- Reflective Logging: Create temp interaction stream marked 'entropy'.
- Prompt: Offer feedback gently (e.g., "Shall we revisit this later?")
- Review: User-initiated flag to merge or discard session post-alteration.