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Bundle 1 — Dual Track Execution Board & System Foundation (Sanitized)

This bundle contains the foundational architecture for LuminAI Genesis, including TGCR framework, resonance engine, and system surfaces.

Purpose

- Define the resonance architecture: TGCR (Context \times State \times Input), Witness Protocol (W multiplier), Sixteen Frequencies.
- Specify system surfaces: Web UI (Next.js), CLI (Typer), Platform Hub (FastAPI).
- Establish repository layout and engineering rigor.

Key References

- **TGCR Framework:** Triple-product resonance calculus ($R = \text{Context} \times \text{State} \times \text{Input}$), effective resonance $R' = R \cdot W$.
- **Witness Protocol:** Governance multiplier ensuring safety as non-abandonment.
- **Sixteen Frequencies:** Affective eigenmodes for persona responses and safety gating.
- **System Surfaces:**
 - Web UI: Next.js chat with real-time resonance meter
 - CLI: Typer-based orchestration

- Platform Hub: FastAPI (/api/chat , /api/resonance , /api/session/{id} , /api/personas/activate , /api/status)

Repository Layout

```
luminai-genesis/
├── backend/      # FastAPI platform hub
├── ui/           # Next.js application
├── cli/          # Typer CLI
├── resonance/    # TGCR, witness, frequencies, engine
├── governance/   # Conscience axioms, witness protocol spec
├── docs/          # Architecture, personas, glossary, API
├── scripts/       # Bootstrap and dev helpers
└── .github/       # Workflows and templates
```

Sanitization Note

Original bundle (11,152 lines) contained detailed execution board transcripts, conversational logs, and uploaded artifacts. These have been replaced with this sanitized summary. For canonical specs, see:

- docs/GEOOMETRY_OF_CONSCIENCE.md (TGCR mathematics)
 - docs/ARCHITECTURE.md (system design patterns)
 - backend/ (operational API implementation)
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End of sanitized bundle 01.