

System Design Manifesto: 2025

Human-Led Architecture. AI-Powered Implementation.

Guiding Principle: Humans design context. AI executes within it.

1. Architect Strategically, Not Tactically

- Use Domain-Driven Design (DDD) to define core domains and bounded contexts.
- Establish contracts, language, and intent - not implementation details.

2. Implement with AI Inside Each Bounded Context

- Feed context-specific requirements to AI agents.
- Let AI generate domain models, APIs, persistence layers, and tests.
- AI acts like a domain-aligned intern: scoped, fast, accurate.

3. Keep Contexts Independent but Integrated

- Each bounded context evolves in isolation, deploys independently.
- Human architects align interfaces and ensure domain integrity.

4. Leverage AI for Monitoring & Feedback Loops

- AI agents assist in observability, regression detection, and automated recovery.
- Behavior patterns inform future improvements.

5. Humans Focus on Design & Decisions

- AI handles repeatable complexity.

- You focus on system integrity, resilience, and alignment with business needs.

Outcome: Systems evolve faster, scale cleanly, and remain understandable.