

Kshitij Govil

Systems Architect & Fractional Technical Lead

Varad Lifestyle Consulting | Vancouver / Jaipur | dummyneversleeps.com | github.com/inertialeee

I step into stalled technical builds as the structural enforcer — map the architecture, lock the operational parameters, ship the prototype. Physics research. Capital markets infrastructure through the 2008 crisis. A medallion-grade trading engine built from scratch on a 4GB mobile terminal in 2026.

THE 10-DAY ARCHITECTURE AUDIT

A focused structural diagnosis of your technical architecture — identifying where the system is under stress, where fault tolerance is improvised rather than designed, and what needs to be addressed before it costs you a client or a funding conversation.

WHAT YOU RECEIVE

Day 3 Async check-in — initial topology read, first observations shared

Day 7 Async check-in — friction points identified, prioritisation draft

Day 10 Written structural report delivered — three highest-risk points, prioritised action sequence, specific recommendations yo

HOW IT WORKS

10 working days. Remote-first, with async check-ins at Day 3 and Day 7. I need access to your architecture documentation, your current stack overview, and one hour with your technical lead at the start.

This engagement uses a deliberate Human+AI collaborative architecture — diagnostic thinking is human, execution leverage is 1+1. You receive the output of both.

WHAT I BRING

Physics-grade diagnostic thinking

Five years in experimental research — astrophysics, thin film instrumentation, particle detection. Signal separation is the discipline.

Capital markets operational discipline

HSBC credit card operations during the 2008 crisis. Four years at Deutsche Bank — reconciliation, corporate actions, zero-tolerance process integrity.

Rapid System Ingestion

CLDSA — a full algorithmic trading engine — built from first principles on a 4GB mobile terminal within 15 days of first command. Mark-to-market PnL. Strict API exception handling. Hard risk parameters. That is not habit.

INVESTMENT

\$10,000 CAD

TIMING

50% retainer on signature
50% on delivery of written report

AVAILABLE

Immediately upon
signed scope

If your system is growing faster than the architecture underneath it, that is usually where I am most useful.

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