

# TECHNICAL DUE DILIGENCE & FRACTIONAL CTO FOR PRIVATE EQUITY

Mirano Galijasevic, PhD (Computer Science)

Technical leadership for private equity firms and portfolio companies

## The PE Problem I Solve

*Value-creation plans fail when the technical organization **can't deliver** on the timeline in the model. I reduce that uncertainty by turning technical reality into investment-grade decisions—and executing post-close to protect the thesis.*

*What you get: Fewer surprises, better deal terms, faster value creation.*

### Pre-Close: M&A Technical Due Diligence

- Platform architecture & scalability constraints
- Technical debt & code quality
- Team capability & "bus factor" risk
- Security, compliance & operational resilience
- Cloud infrastructure & modernization needs
- Integration complexity (for bolt-ons)

### Decision Package Delivered:

- Go/no-go recommendation with quantified risk
  - Remediation cost & timeline ranges
  - Top 5-10 deal-critical issues for valuation, holdbacks, or 100-day plan
- Typical: 2-3 weeks

### Post-Close: Fractional CTO Execution

- Predictable delivery & reduced operational risk
  - Architecture upgrades that **unblock scale**
  - Post-acquisition technical integration
  - 100-day plan execution with clear ownership
  - Azure Cloud Strategy & Modernization
- Typical: 3-12 months (fractional)

### Why PE Firms Bring Me In:

- **30+ years** at Fortune 100 scale
- Led 330+ engineers as VP of Engineering
- Board-level risk quantification
- Practical execution focus

### Representative Outcome

During diligence for a mid-market SaaS acquisition, I uncovered structural technical debt that would have made the proposed growth plan mathematically impossible. I quantified the required remediation effort, identified the architectural constraints blocking scale, and mapped the operational risks to financial outcomes.

**Outcome:** The PE firm renegotiated valuation, adjusted earn-out structure, and closed with a clear 12-month execution plan that protected the investment thesis.

## SHARP LOGICA, INC

580 Fifth Avenue  
Suite 820, New York  
NY 10036, USA

### CONTACT:

Email: [mirano@sharplogica.com](mailto:mirano@sharplogica.com)  
[info@sharplogica.com](mailto:info@sharplogica.com)

Phone: +1 (646) 466-7070; (646) 503-6217

Web: [sharplogica.com/services/fractional-cto](https://sharplogica.com/services/fractional-cto)