

PRIYANK GUPTA

Technology Executive | Managing Director

Technology Executive • Distributed Systems • AI-Assisted Engineering

Bengaluru, India
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PROFILE

Technology executive with 22+ years of hands-on experience architecting and scaling distributed systems - from technical foundations at ThoughtWorks to leading engineering organisations that modernise complex, high-stakes platforms. Brings together deep engineering craft, a track record of building and scaling high-performing engineering teams, and the strategic instinct to align technology decisions with business outcomes. Believes in raising engineering bar in organisations through governance, culture, and capability development. Hands-on enough to debate architecture, experienced enough to set direction.

EXPERIENCE

Technology Executive & Managing Director, India 2015 – Present

Sahaj Software Bengaluru, India

- Modernised a monolith core banking platform serving 95 enterprise customers across 60 geographies - lifting throughput from 200 to 1,000 TPS at P99 200ms on a system processing \$7B+ in annual transaction volume. Owned platform reliability, architectural evolution, execution velocity, and long-term product delivery outcomes.
- Led a 120+ person engineering organisation specialising in first principles thinking, distributed systems and legacy modernisation, spread across four cities, averaging 10+ years of engineer experience - while being accountable for architecture, delivery quality, and talent development.
- Designed an AI-native engineering delivery model deployed across client programmes. Delivered measurable productivity gains - up to 50% on greenfield engineering and ~30% on brownfield modernisation, while maintaining delivery quality.
- Built and institutionalised engineering operating systems across four centres - technical governance, principal-level forums, leadership development (*Manthan - technology leadership programme*), and lead & principle level hiring processes that raised engineering quality. Attrition well below industry average.
- Led Sahaj's Technology Due Diligence practice and built the proprietary Cartographer framework; led engagements protecting \$5B+ in PE and venture investment decisions across Asia-Pacific and the UK.
- Domain & product exposure spans adtech, banking, enterprise technology, and publishing - platforms generating \$300M to \$10B+ in annual revenue.
- O'Reilly live instructor (Design Patterns for Distributed Systems); 20+ articles in TechTarget's SearchAppArchitecture; speaker at Agile India, TiE Chennai, and industry roundtables.

Lead Consultant & Mobile Practice Lead, India 2009 – 2015

ThoughtWorks India

- Rearchitected the core reservations and revenue platform for the largest US airline - multi-year modernisation on a \$500M+/month system with zero tolerance for downtime or transaction loss.
- Core contributor to Calatrava, an open-source cross-platform native app framework; led its first-of-kind deployment across iOS, Android, and mobile web - establishing a new pattern for cross-platform delivery at scale.
- Led ThoughtWorks India's mobile practice from the ground up: grew headcount, acquired new clients, and ran capability programmes that scaled mobile engineering depth across the organisation.
- Technical architect across platform programmes in aviation, banking, finance, and technology - consistently on systems where scale, correctness, and uptime were non-negotiable.

Earlier Career

Progressive engineering roles at Infosys and Tavant Technologies, delivering large-scale platforms in financial and automotive claims services - building foundational depth in distributed systems architecture, JVM internals, and high-concurrency platform design across systems serving millions of concurrent users.

CORE COMPETENCIES

Technology Leadership	Engineering organisation design, technical strategy & roadmap, platform modernisation, engineering culture & bar-raising, capability development, executive stakeholder alignment
Engineering	Java, Go, Ruby, Python; Kubernetes, cloud-native platforms, observability, resilience engineering
Architecture	Distributed systems, large-scale low-latency platforms, microservices, event-driven systems, domain-driven design, evolutionary architecture
AI / Data	AI-native delivery models, GenAI engineering, LLM-assisted development, engineering efficiency measurement
Sectors	Fintech, banking & payments, adtech, automotive, enterprise technology, e-commerce

THOUGHT LEADERSHIP & PUBLICATIONS

O'Reilly Live Instructor

O'Reilly instructor - *Design Patterns for Distributed Systems*

TechTarget / SearchAppArchitecture Author

20+ published articles in SearchAppArchitecture on distributed systems, DDD, observability, AI-assisted architecture and data-intensive systems.

Selected topics: Observability strategy • AI's role in architecture • Architecture as code • Synthetic data with GenAI • Bounded context in DDD • Data-intensive architectures • Microservices orchestration

OPEN SOURCE & ENGINEERING CRAFT

patterns-distributed-systems

Java implementations of resilience patterns for distributed systems. Used in O'Reilly course

Clamp Orchestrator

Committer on Clamp, a Go-based microservices orchestration framework.

osmosis & MarsRover

Template matching library (Go) and a popular OO design reference for code complexity management

Speaker: O'Reilly, Agile India, TiE Chennai, ThoughtWorks forums.

EDUCATION

Bachelor of Engineering, Information Science

B.M.S. College of Engineering, Bengaluru

2000 – 2004