

SANJAY GUPTA

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EXECUTIVE SUMMARY

Senior TPM with 15+ years of experience leading the end-to-end delivery of complex, multi-team technical programs across AI/ML, Cloud, and enterprise systems. Expert at **orchestrating the execution backbone** for high-stakes initiatives, translating strategic vision into repeatable frameworks, and managing cross-organizational dependencies to drive measurable impact including **\$10M+ in operational savings** and an **80% reduction in platform risk**. A deep technical foundation (**Developer** → **Architect** → **TPM**) enables credible partnership with engineering and executive stakeholders to navigate trade-offs and mitigate risks in fast-moving environments. **Published thought leader** on Agentic AI, Responsible AI, and Trustworthy Model practices.

SIGNATURE HIGHLIGHTS

- **\$10M+ SaaS Optimization:** Rationalized 300+ apps using Agentic AI to drive enterprise-wide OpEx savings.
 - **80% Fraud Reduction:** Orchestrated AI-powered fraud detection across 12 global contact centers.
 - **75% Infrastructure Reliability:** Delivered AI-driven IoT predictive maintenance, slashing unplanned downtime.
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PROFESSIONAL EXPERIENCE

Applied Materials — Senior Technical Program Manager | Santa Clara, CA | **Apr 2025 – Present**

- **Orchestrate a \$4M+ business-critical PLM migration** and infrastructure modernization program, managing cross-functional dependencies between Engineering, IT, and Global Operations to ensure 100% data integrity.
- **Pioneered "Vibe Coding" and Agentic AI frameworks** using Replit AI to build automated SEO and accessibility audit tools, reducing manual verification time by 60%.
- Led SIT and UAT for **Hadoop-to-Databricks migration** for **Engineering IT**, ensuring data integrity and successful production cutover.

RingCentral — Senior Technical Program Manager | Belmont, CA | **Apr 2022 – Mar 2025**

- **Directed an enterprise-wide SaaS Governance and Agentic AI-driven rationalization** of 300+ applications, partnering with finance and executive leadership to achieve massive **\$10M+** cost reduction over three years.
- **Led the end-to-end execution of a global AI-powered fraud detection initiative**, establishing KPI frameworks and data validation pipelines that resulted in an 80% reduction in fraudulent activity across 12 contact centers.
- **Architected and championed an enterprise-wide migration to monday.com**, standardizing program visibility and delivery metrics that saved \$300K in annual licensing and tooling costs.

- **Mentored high-performing TPMs and uplifted Agile/Scrum practices**, implementing metrics-based delivery (velocity/burndown) that improved release predictability by 35%.

Applied Materials — Technical Program Manager | Santa Clara, CA | Nov 2012 – Apr 2022

- **Orchestrated AI-driven IoT predictive maintenance programs on AWS**, achieving a 75% reduction in unplanned downtime and a 30–50% reduction in operational costs across global labs.
- **Deployed an AR/VR remote support platform for field engineering**, resulting in \$632K in annual savings and a 72% improvement in mean-time-to-resolution (MTTR).
- **Led global engineering teams (50+ members across USA, Asia, and Europe)** through large-scale PLM and Teamcenter upgrades, delivering a 400% five-year ROI and 40% productivity gains.
- **Pioneered the organization's Agile transformation**, reducing development cycle times by 35% and fostering a culture of continuous improvement and transparent delivery.

Tata Consultancy Services (TCS) — Technical PM / Architect / Developer | USA, India | Apr 2001 – Oct 2012

- **Progressed from Software Developer → Solution Architect → Technical Program Manager**, delivering full-stack Java/J2EE enterprise solutions for Fortune 500 clients including Cisco, Kaiser Permanente, and HMSA.
- **Managed a global enterprise program for TCS** replacing a legacy Lotus Notes system serving 10,000+ users across 10+ countries; led end-to-end execution from requirements through production rollout, achieving 99.99% CSAT.

TECHNICAL & DELIVERY SKILLS

- **Methodologies:** Technical Program Management (TPM), SDLC, Agile/Scrum/Kanban, Portfolio Governance, Risk & Dependency Management, Strategic Planning, Business Analytics, Resource Allocation.
- **AI & Data:** Generative AI (GenAI), LLM Post-training (RLHF/RLAIF), Vertex AI Agents, Responsible AI.
- **Cloud & Platforms:** AWS, GCP, SaaS Governance, Enterprise PLM, IoT Infrastructure, AR/VR Systems.
- **Tools:** Jira, Confluence, Smartsheet, Monday.com, Replit AI, Cursor, Microsoft Project, SharePoint.

EDUCATION, CERTIFICATIONS & PUBLICATIONS

- **Post-Graduate Program in Artificial Intelligence & Machine Learning** | University of Texas at Austin
 - **Bachelor of Engineering** | IITs, Jiwaji University, India
 - **Google Cloud Generative AI Leader (2025)**, AWS Certified Solutions Architect (2018), CSM (2014), PMP (2007)
 - **Published work** on Vibe coding, Agentic AI, Responsible AI, Explainable AI, and trustworthy model practices (LinkedIn).
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