

PAWANKUMAR GUPTA

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EXECUTIVE DIRECTOR (IT)

Cloud Infrastructure | Enterprise Architecture | Software Engineering Leadership | P&L Management

EXECUTIVE PROFESSIONAL SUMMARY

Lead Architect & Strategic Technology Executive with 10+ years of enterprise engineering leadership, specializing in end-to-end Enterprise Agentic AI Solutions, Multi-Cloud Architecture (Azure/AWS), Databricks/PySpark Data Pipelines, and Full-Stack Systems. Proven track record holding full P&L accountability, leading 30+ person engineering organizations, establishing reusable deployment capability (IaC, CI/CD, reference architectures), and mentoring Forward Deployed Engineers (FDEs) to operational independence. Expert in agentic vs. deterministic system design, evaluation harnesses, guardrails, human-approval flows, and defending technical security posture during client executive reviews.

CORE COMPETENCIES & CAPABILITIES

- **AI Engineering & AIOps:** Agentic AI Architecture, Orchestration Frameworks, Vector RAG (Pinecone, Qdrant), Evaluation Harnesses, Guardrails, Human-Approval Flows, Tracing & Drift Monitoring, LLMOps.
- **Full-Stack & Cloud Architecture:** Target-State Architecture (Azure, AWS), Python Services, JavaScript/TypeScript Frontends, SQL/NoSQL Data Design, Microservices APIs, Zero-Trust Security, Non-Functional Targets & Cloud Cost Discipline.
- **Data Engineering:** PySpark, Databricks Pipeline Architecture, Layered Data Design, Quality Controls, Query Performance Optimization, Data Governance & Compliance.
- **Leadership & Delivery:** Technical Direction, Mentoring FDEs to Independence, Establishing IaC & Pipeline Templates, Stakeholder & Client Security Alignment, CapEx/OpEx Budgeting, P&L Management.

PROFESSIONAL EXPERIENCE

WAYUH TECHNOLOGIES — Mumbai, India

EXECUTIVE DIRECTOR | March 2016 – Present

- **Technical Direction & Agentic AI Architecture:** Set and own the target architecture for enterprise agentic AI solutions across application, cloud, data, and AI layers. Hold the line on agentic vs. deterministic system decisions, ensuring AI agents add explicit value while workflow rules suffice for deterministic logic.
- **Building Deployment Capability & Standards:** Converted person-dependent deployment steps into standardized, reusable deployment assets (IaC modules, CI/CD pipeline templates, reference architectures, runbooks). Accelerated software deployment cycles by 55% across a 30+ person engineering team.
- **Mentoring FDEs to Independence:** Run structured enablement, design walkthroughs, and pair programming with Forward Deployed Engineers (FDEs), systematically handing over deployment ownership against competency milestones until FDEs deploy and operate solutions independently.
- **Data Engineering & Pipeline Optimization:** Architected PySpark and Databricks data pipelines using layered data design, quality controls, and performance tuning, achieving a 30% query performance boost across relational and NoSQL stores.
- **Azure & Multi-Cloud Governance:** Owned cloud target-state architecture decisions across Azure and AWS microservices, balancing non-functional targets, high availability, and cloud cost discipline to realize 20% annual OpEx savings while maintaining 100% Zero-Trust DR compliance.
- **AI Quality, Safety & Guardrails:** Built low-latency Vector RAG pipelines (Pinecone/Qdrant) with integrated evaluation harnesses, safety guardrails, human-in-the-loop approval flows, and continuous drift monitoring.
- **Stakeholder & Security Ownership:** Carried architecture and security posture through client technology and security reviews; acted as final technical escalation on deployment and production issues.
- **Executive Strategy & P&L Management:** Managed multi-crore annual P&L budgets, software publishing operations, and corporate technology roadmaps, aligning CapEx investments with core revenue expansion.

PROJECTS & STRATEGIC HIGHLIGHTS

- **Enterprise IT & Agentic AI Portfolio (pawankumargupta.com):** Designed and deployed an executive platform detailing a 30-60-90 Day Site Lead Execution Blueprint, production vector database workflows, LLM safety guardrails, and multi-agent orchestration frameworks.

BOARD & GOVERNANCE AFFILIATIONS

- **Director Identification Number (DIN):** 07382242 (Ministry of Corporate Affairs, Government of India)
- **Professional Credentials:** Member, Computer Society of India (CSI) | AI for Business Strategy | Corporate Governance & Financial Fundamentals (HP Foundations)

EDUCATION

- **Postgraduate Coursework in Advanced Information Technology** — Pillai College of Engineering, Mumbai University (2015–2016).
- **Bachelor of Engineering (B.E.) in Information Technology** — Pillai College of Engineering, Mumbai University (2015).